P-4
W-1

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Estimate for Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara).*

Job Code:

P Code: P-

Estimated Cost: Rs. 250.00 Lakh(s)

Bruhat Bangalore Mahanagara Palike

Name of Work: Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara).

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing and resetting of footpath slab **(Approved arrival data rate)**								
	Basic rate	**235.00**							
		Sqm							
	Top Slabs								
	singapura Layout								
	Cross Rd-1	1	50.00	0.90		45.00			
	Cross Rd-2	1	55.00	0.90		49.50			
	Cross Rd-3	1	60.00	0.90		54.00			
	singapura								
	Cross Rd	1	45.00	0.90		40.50			
	Cross Rd	1	50.00	0.90		45.00			
	Cross Rd	1	60.00	0.90		54.00			
						288.00			
	Consider 60%					172.80			
	Deduct 30% Missing/Damaged Slab					51.84			
						120.96	**Sqm**	**235.00**	**28,425.60**
2	Removing and resetting stone slabs of drains and pointing in C.M (1:3) **(Approved arrival data rate)**								
	Basic rate	**121.00**							
		Sqm							
	Top Slabs								
	singapura Layout								
	Cross Rd-1	1	50.00	0.90		45.00			
	Cross Rd-2	1	55.00	0.90		49.50			
	Cross Rd-3	1	60.00	0.90		54.00			
	singapura								
	Cross Rd	1	45.00	0.90		40.50			
	Cross Rd	1	50.00	0.90		45.00			
	Cross Rd	1	60.00	0.90		54.00			
						288.00			
	Consider 30%					**86.40**			
						86.40	**Sqm**	**121.00**	**10,454.40**
3	Earth work Excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. **(PWD SR 2023-24 Vol -I Pg No 5 item no 1.4.1)**								
	Basic Rate	**242.00**							
	Area Weightage 10%	**24.20**							
	Total Rate	**266.20**							
	Rcc Drain								
	G.Muniswamappa Layout								
	Cross Rd	2	80.00	1.00	1.00	160.00			
	Cross Rd	1	75.00	1.00	1.00	75.00			
	Cross Rd	2	40.00	1.00	1.00	80.00			
	Singapura								
	1st Cross Road	2	100.00	1.00	1.00	200.00			
	A.K colony Poojaamma Temple Road	2	90.00	1.00	1.00	180.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Poojamma Temple Opposite Road	2	60.00	1.00	1.00	120.00			
	Vardharaja Swamy Temple Opposite Road	2	70.00	1.00	1.00	140.00			
	Vishwa Provisional Store Road	2	65.00	1.00	1.00	130.00			
	Vardharaja Swamy Temple Main Gate Opposite Road	2	90.00	1.00	1.00	180.00			
	5th Cross Road	2	61.00	1.00	1.00	122.00			
	6th Cross Road	2	39.00	1.10	1.00	85.80			
	7th Cross Road	1	59.00	1.00	1.10	64.90			
	Singapur Layout								
	3rd A Cross Road	1	59.00	1.10	1.00	64.90			
	Express Layout								
	2nd Cross rd	2	100.00	1.10	1.00	220.00			
	3rd Cross Rd	2	100.00	1.10	1.00	220.00			
	Drain Desilts								
	singapura Layout								
	Cross Rd-1	1	50.00	0.60	0.45	13.50			
	Cross Rd-2	1	55.00	0.60	0.45	14.85			
	Cross Rd-3	1	60.00	0.60	0.45	16.20			
	singapura								
	Cross Rd	1	45.00	0.60	0.45	12.15			
	Cross Rd	1	50.00	0.60	0.45	13.50			
	Cross Rd	1	60.00	0.60	0.45	16.20			
	Culverts								
	Surrounding areas	7	6.40	1.50	1.00	67.20			
	Simhadri Layout								
	Surrounding areas	1	6.40	1.50	1.00	9.60			
	Lakkappa Layout								
	Surrounding areas	1	6.40	1.50	1.00	9.60			
	Singapur Garden								
	Surrounding areas	2	6.40	1.50	1.00	19.20			
						2234.60	**Cum**	**266.20**	**594850.52**
4	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. . Mix 1:4:8 Using 40 mm nominal size graded crushed coarse aggregates **(PWD SR 2023-24 Vol -I Pg 15 item no 2.1.2)**								
	Basic Rate	**5664.00**							
	Area Weightage 10%	**566.40**							
	Total Rate	**6230.40**							
	Rcc Drain								
	G.Muniswamappa Layout								
	Cross Rd	2	80.00	0.90	0.15	21.60			
	Cross Rd	1	75.00	0.90	0.15	10.13			
	Cross Rd	2	40.00	0.90	0.15	10.80			
	Singapura								
	1st Cross Road	2	100.00	0.90	0.15	27.00			
	A.K colony Poojaamma Temple Road	2	90.00	0.90	0.15	24.30			
	Poojamma Temple Opposite Road	2	60.00	0.90	0.15	16.20			
	Vardharaja Swamy Temple Opposite Road	2	70.00	0.90	0.15	18.90			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Vishwa Provisional Store Road	2	65.00	0.90	0.15	17.55			
	Vardharaja Swamy Temple Main Gate Opposite Road	2	90.00	0.90	0.15	24.30			
	5th Cross Road	2	61.00	0.90	0.15	16.47			
	6th Cross Road	2	39.00	0.90	0.15	10.53			
	7th Cross Road	1	59.00	0.90	0.15	7.965			
	Singapura Layout								
	3rd A Cross Road	1	59.00	0.90	0.15	7.965			
	Express Layout								
	2nd Cross rd	2	100.00	0.90	0.15	27.00			
	3rd Cross Rd	2	100.00	0.90	0.15	27.00			
	Culverts								
	Surrounding areas	7	6.40	1.50	0.15	10.08			
	Simhadri Layout								
	Surrounding areas	1	6.40	1.50	0.15	1.44			
	Lakkappa Layout								
	Surrounding areas	1	6.40	1.50	0.15	1.44			
	Singapur Garden								
	Surrounding areas	2	6.40	1.50	0.15	2.88			
						283.55	**Cum**	**6230.40**	**1766598.77**
5	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification H. All other type of structures **(PWD SR 2023-24 Vol -I Pg 99 item no 2.11.h)**								
	Basic Rate	**79011.00**							
	Area Weightage 10%	**7901.10**							
	Total Rate	**86912.10**							
	For RCC Drain, 60kg/Sqm	1	580.03	60.00		34801.65			
	For RCC Culvert, 90kg/Sqm	1	36.33	90.00		3269.38			
						38.07	**Tn**	**86912.10**	**3308832.82**
6	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates **(PWD SR 2023-24 Vol -I Pg 16 item no 2.4.2))**								
	Basic Rate	**6323.00**							
	10% for Centring	**632.30**							
	Sub Total	**6955.30**							
	Area Weightage 10%	**695.53**							
	Total Rate	**7650.83**							
	Drain Raft								
	G.Muniswamappa Layout								
	Cross Rd	2	80.00	0.75	0.15	18.00			
	Cross Rd	1	75.00	0.75	0.15	8.44			
	Cross Rd	2	40.00	0.75	0.15	9.00			
	Singapura								
	1st Cross Road	2	100.00	0.75	0.15	22.50			
	A.K colony Poojaamma Temple Road	2	90.00	0.75	0.15	20.25			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Poojamma Temple Opposite Road	2	60.00	0.75	0.15	13.50			
	Vardharaja Swamy Temple Opposite Road	2	70.00	0.75	0.15	15.75			
	Vishwa Provisional Store Road	2	65.00	0.75	0.15	14.63			
	Vardharaja Swamy Temple Main Gate Opposite Road	2	90.00	0.75	0.15	20.25			
	5th Cross Road	2	61.00	0.75	0.15	13.73			
	6th Cross Road	2	39.00	0.75	0.15	8.78			
	7th Cross Road	1	59.00	0.75	0.15	6.64			
	Singapura Layout								
	3rd A Cross Road	1	59.00	0.75	0.15	6.64			
	Express Layout								
	2nd Cross rd	2	100.00	0.75	0.15	22.50			
	3rd Cross Rd	2	100.00	0.75	0.15	22.50			
	Drain Side Wall								
	G.Muniswamappa Layout								
	Cross Rd	4	80.00	0.15	0.60	28.80			
	Cross Rd	2	75.00	0.15	0.60	13.50			
	Cross Rd	4	40.00	0.15	0.60	14.40			
	Singapura								
	1st Cross Road	4	100.00	0.15	0.60	36.00			
	A.K colony Poojaamma Temple Road	4	90.00	0.15	0.60	32.40			
	Poojamma Temple Opposite Road	4	60.00	0.15	0.60	21.60			
	Vardharaja Swamy Temple Opposite Road	4	70.00	0.15	0.60	25.20			
	Vishwa Provisional Store Road	4	65.00	0.15	0.60	23.40			
	Vardharaja Swamy Temple Main Gate Opposite Road	4	90.00	0.15	0.60	32.40			
	5th Cross Road	4	61.00	0.15	0.60	21.96			
	6th Cross Road	4	39.00	0.15	0.60	14.04			
	7th Cross Road	2	59.00	0.15	0.60	10.62			
	Singapur Layout								
	3rd A Cross Road	2	59.00	0.15	0.60	10.62			
	Express Layout								
	2nd Cross rd	4	100.00	0.15	0.60	36.00			
	3rd Cross Rd	4	100.00	0.15	0.60	36.00			
						580.03			
	Culverts								
	Surrounding areas								
	Raft								
	Surrounding areas	7	6.40	1.20	0.20	10.75			
	Simhadri Layout								
	Surrounding areas	1	6.40	1.20	0.20	1.54			
	Lakkappa Layout								
	Surrounding areas	1	6.40	1.20	0.20	1.54			
	Singapur Garden								
	Surrounding areas	2	6.40	1.20	0.20	3.07			
	Side Wall								
	Surrounding areas	14	6.40	0.23	0.60	12.36			
	Simhadri Layout								
	Surrounding areas	2	6.40	0.23	0.60	1.77			
	Lakkappa Layout								
	Surrounding areas	2	6.40	0.23	0.60	1.77			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Singapur Garden								
	Surrounding areas	4	6.40	0.23	0.60	3.53			
						36.33			
						616.35	**Cum**	**7650.83**	**4715618.91**
7	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregate **(PWD SR 2023-24 Vol -I Pg 15 Item No. 2.1.6))**								
	Basic Rate	**6243.00**							
	Area Weightage 10%	**624.30**							
	Total Rate	**6867.30**							
	Culvert - Ramp	2x11	6.40	1.20	0.10	16.90			
						16.90			
	Vent Concrete for Existing Drain for Damage portion								
	singapura Layout								
	Cross Rd-1	1	50.00	0.60	0.10	3.00			
	Cross Rd-2	1	55.00	0.60	0.10	3.30			
	Cross Rd-3	1	60.00	0.60	0.10	3.60			
	singapura								
	Cross Rd	1	45.00	0.60	0.10	2.70			
	Cross Rd	1	50.00	0.60	0.10	3.00			
	Cross Rd	1	60.00	0.60	0.10	3.60			
						19.20			
	Consider 30% of damaged Vent Portion					**5.76**			
						22.66	**Sqm**	**6867.30**	**155585.55**
8	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/ m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete. **(PWD SR 2023-24 Vol -II Pg No. 177 item No. 17.14)**								
	Basic Rate	**1170.00**							
	Area Weightage 10%	**117.00**							
	Total Rate	**1287.00**							
	Drain Slabs								
	G.Muniswamappa Layout								
	Cross Rd	2	80.00	0.75		120.00			
	Cross Rd	1	75.00	0.75		56.25			
	Cross Rd	2	40.00	0.75		60.00			
	Singapura								
	1st Cross Road	2	50.00	0.75		75.00			
	A.K colony Poojaamma Temple Road	2	50.00	0.75		75.00			
	Poojamma Temple Opposite Road	2	60.00	0.75		90.00			
	Vardharaja Swamy Temple Opposite Road	2	70.00	0.75		105.00			
	Vishwa Provisional Store Road	2	65.00	0.75		97.50			
	Vardharaja Swamy Temple Main Gate Opposite Road	2	55.00	0.75		82.50			
	5th Cross Road	2	61.00	0.75		91.50			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6th Cross Road	2	39.00	0.75		58.50			
	7th Cross Road	1	59.00	0.75		44.25			
	Singapura Layout								
	3rd A Cross Road	1	30.00	0.75		22.50			
	Express Layout								
	2nd Cross rd	2	90.00	0.75		135.00			
	3rd Cross Rd	2	90.00	0.75		135.00			
	Add Missing/Damaged Slabs					377.00			
						1625.00	**Sqm**	**1287.00**	**2091375.00**
9	Providing and Fixing pre cast Covering Slab 230mm thick made out of M20 and jelly 20mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge **(Approved Data Rate)**								
	Data Rate	**5037.00**							
	For Culverts								
	Surrounding areas	7	6.40	1.20		53.76			
	Simhadri Layout								
	Surrounding areas	1	6.40	1.20		7.68			
	Lakkappa Layout								
	Surrounding areas	1	6.40	1.20		7.68			
	Singapur Garden								
	Surrounding areas	2	6.40	1.20		15.36			
						84.48	**Sqm**	**5037.00**	**425525.76**
10	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead **(PWD SR 2023-24 Vol III, Item No: 3.5, Page No: 17)**								
	Basic rate	**6.00**							
	Area weightage 10%	**0.60**							
	Total Rate	**6.60**							
	For Asphalt								
	Singapur Paradise								
	3rd Cross to 2nd main Rd	1	200.00	5.50		1100.00			
						1100.00	**Sqm**	**6.60**	**7260.00**
11	Earth work in surface Excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. **(PWD SR 23-24 Vol I Pg No. 8 Item No 1.12)**								
	Basic Rate	**95.00**							
	Area Weightage 10%	**9.50**							
	Total Rate	**104.50**							
	Asphalt Road								
	Full Road Excavation Work								
	G.Muniswamappa Layout								
	Cross Rd	1	80.00	4.80	0.20	76.80			
	Cross Rd	1	75.00	4.50	0.20	67.50			
	Cross Rd	1	40.00	5.20	0.20	41.60			
	Green Infra Layout								
	2nd Cross Rd	1	150.00	4.70	0.20	141.00			
	Singapur Paradise								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	3rd Cross to 2nd main Rd	1	200.00	5.50	0.20	220.00			
						546.90			
	Road Damaged Portion								
	Singapura								
	Surrounding areas	1	110.00	5.00	0.20	110.00			
	Express Layout								
	3rd Cross Rd	1	140.00	4.80	0.20	134.40			
	Singapura Layout								
	Surrounding areas	1	120.00	5.00	0.20	120.00			
						364.40			
	consider 25% of road damaged portion and Road Cutting Portions					**91.10**			
	For CC Roads								
	Singapura								
	Poojamma Temple Opposite Road	1	60.00	4.00	0.20	**48.00**			
						686.00	**Cum**	**104.50**	**71,687.00**
12	Construction of Granular sub-base Grading-V as sub-base and drainage layer by providing coarse graded crushed aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications.**(PWD SR 23-24 Vol III Pg no. 23 Item No. 4.1)**								
	Basic Rate	**2487.00**							
	Area Weightage 10%	**248.70**							
	Total Rate	**2735.70**							
	Full Road Work								
	Green Infra Layout								
	2nd Cross Rd	1	150.00	4.70	0.20	141.00			
						141.00	**Cum**	**2735.70**	**385733.70**
13	Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification No. 406 **(PWD SR 23-24 Vol III Pg no. 26 Item No. 4.17)**								
	Basic Rate	**2559.00**							
	Area Weightage 10%	**255.90**							
	Total Rate	**2814.90**							
	Asphalt Road								
	Full Road Work								
	G.Muniswamappa Layout								
	Cross Rd	1	80.00	4.80	0.20	76.80			
	Cross Rd	1	75.00	4.50	0.20	67.50			
	Cross Rd	1	40.00	5.20	0.20	41.60			
	Green Infra Layout								
	2nd Cross Rd	1	150.00	4.70	0.20	141.00			
	Singapur Paradise								
	3rd Cross to 2nd main Rd	1	200.00	5.50	0.20	220.00			
						546.90			
	Road Damaged Portion								
	Singapura								
	Surrounding areas	1	110.00	5.00	0.20	110.00			
	Express Layout								
	3rd Cross Rd	1	140.00	4.80	0.20	134.40			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Singapura Layout								
	Surrounding areas	1	120.00	5.00	0.20	120.00			
						364.40			
	consider 25% of road damaged portion and Road Cutting Portions					**91.10**			
						638.00	**Cum**	**2814.90**	**1795906.20**
14	Providing and applying Primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502 **(PWD SR 23-24 Vol III Pg no. 31 Item No. 5.2)**								
	Basic Rate	**53.00**							
	Area Weightage 10%	**5.30**							
	Total Rate	**58.30**							
	Asphalt Road								
	Full Road Work								
	G.Muniswamappa Layout								
	Cross Rd	1	80.00	4.80		384.00			
	Cross Rd	1	75.00	4.50		337.50			
	Cross Rd	1	40.00	5.20		208.00			
	Green Infra Layout								
	2nd Cross Rd	1	150.00	4.70		705.00			
	Singapur Paradise								
	3rd Cross to 2nd main Rd	1	200.00	5.50		1100.00			
						2734.50			
	Road Damaged Portion								
	Singapura								
	Surrounding areas	1	110.00	5.00		550.00			
	Express Layout								
	3rd Cross Rd	1	140.00	4.80		672.00			
	Singapura Layout								
	Surrounding areas	1	120.00	5.00		600.00			
						1822.00			
	consider 25% of road damaged portion and Road Cutting Portions					**455.50**			
	For Profile Correction								
	Singapura								
	Surrounding areas	1	110.00	5.00		550.00			
	Express Layout								
	3rd Cross Rd	1	140.00	4.80		672.00			
	Singapura Layout								
	Surrounding areas	1	120.00	5.00		600.00			
						1822.00			
	consider 10% for Profile Correction					**182.20**			
						3372.20	**Sqm**	**58.30**	**196599.26**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
15	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects **(PWD SR 23-24 Vol III Pg no 35 Item No 5.12 (C))**								
	Basic Rate	**9449.00**							
	Area Weightage 10%	**944.90**							
	Total Rate	**10393.90**							
	Asphalt Road								
	Full Road Work								
	G.Muniswamappa Layout								
	Cross Rd	1	80.00	4.80	0.05	19.20			
	Cross Rd	1	75.00	4.50	0.05	16.88			
	Cross Rd	1	40.00	5.20	0.05	10.40			
	Green Infra Layout								
	2nd Cross Rd	1	150.00	4.70	0.05	35.25			
	Singapur Paradise								
	3rd Cross to 2nd main Rd	1	200.00	5.50	0.05	55.00			
						136.73			
	Road Damaged Portion								
	Singapura								
	Surrounding areas	1	110.00	5.00	0.05	27.50			
	Express Layout								
	3rd Cross Rd	1	140.00	4.80	0.05	33.60			
	Singapura Layout								
	Surrounding areas	1	120.00	5.00	0.05	30.00			
						91.10			
	consider 25% of road damaged portion and Road Cutting Portions					**22.78**			
	For Profile Correction								
	Singapura								
	Surrounding areas	1	110.00	5.00	0.05	27.50			
	Express Layout								
	3rd Cross Rd	1	140.00	4.80	0.05	33.60			
	Singapura Layout								
	Surrounding areas	1	120.00	5.00	0.05	30.00			
						91.10			
	consider 10% for Profile Correction					**9.11**			
						168.61	**Cum**	**10393.90**	**1752515.48**
16	Providing and applying Tack Coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification No. 503 **(PWD SR 23-24 Vol III Pg no. 31 Item No 5.4)**								
	Basic Rate	**14.00**							
	Area Weightage 10%	**1.40**							
	Total Rate	**15.40**							
	Asphalt Road								
	G.Muniswamappa Layout								
	Cross Rd	1	80.00	4.80		384.00			
	Cross Rd	1	75.00	4.50		337.50			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Cross Rd	1	40.00	5.20		208.00			
	Green Infra Layout								
	2nd Cross Rd	1	150.00	4.70		705.00			
	Singapur Paradise								
	3rd Cross to 2nd main Rd	1	200.00	5.50		1100.00			
	Singapura								
	Surrounding areas	1	110.00	5.00		550.00			
	Express Layout								
	3rd Cross Rd	1	140.00	4.80		672.00			
	Singapura Layout								
	Surrounding areas	1	120.00	5.00		600.00			
						4556.50	**Sqm**	**15.40**	**70,170.10**
17	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects **(PWD SR 23-24 Vol III Pg no 38 Item No 5.16 (C))**								
	Basic Rate	**10954.00**							
	Area Weightage 10%	**1095.40**							
	Total Rate	**12049.40**							
	Asphalt Road								
	G.Muniswamappa Layout								
	Cross Rd	1	80.00	4.80	0.04	15.36			
	Cross Rd	1	75.00	4.50	0.04	13.50			
	Cross Rd	1	40.00	5.20	0.04	8.32			
	Green Infra Layout								
	2nd Cross Rd	1	150.00	4.70	0.04	28.20			
	Singapur Paradise								
	3rd Cross to 2nd main Rd	1	200.00	5.50	0.04	44.00			
	Singapura								
	Surrounding areas	1	110.00	5.00	0.04	22.00			
	Express Layout								
	3rd Cross Rd	1	140.00	4.80	0.04	26.88			
	Singapura Layout								
	Surrounding areas	1	120.00	5.00	0.04	24.00			
						182.26	**Cum**	**12049.40**	**2196123.64**
18	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes **(PWD SR 23-24 Vol III Pg No. 67 Item No 8.15)**								
	Basic Rate	**530.00**							
	Area Weightage 10%	**53.00**							
	Total Rate	**583.00**							
	Asphalt Road								
	G.Muniswamappa Layout								
	Cross Rd	2	80.00	0.10		16.00			
	Cross Rd	2	75.00	0.10		15.00			
	Cross Rd	2	40.00	0.10		8.00			
	Green Infra Layout								
	2nd Cross Layout	2	150.00	0.10		30.00			
	Singapur Paradise								
	3rd Cross to 2nd main Rd	2	200.00	0.10		40.00			
	Singapura								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Surrounding areas	2	110.00	0.10		22.00			
	Express Layout								
	3rd Cross Rd	2	140.00	0.10		28.00			
	Singapura Layout								
	Surrounding areas	2	120.00	0.10		24.00			
						183.00	**Sqm**	**583.00**	**106689.00**
19	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately MORTH Specification No. 202 **(PWD SR 2023-24 Vol - III Pg No. 12 - Item No. 2.19)**								
	Basic Rate	**563.00**							
	Area Weightage 10%	**56.30**							
	Total Rate	**619.30**							
	For C.C road								
	Singapura								
	Poojamma Temple Opposite Road	1	60.00	4.00		240.00			
						240.00			
	Deduct 30% Voids					72.00			
						168.00	**Cum**	**619.30**	**104042.40**
20	Construction of Dry Lean Cement Concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm,aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3 , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. MORTH Specification No. 601 **(PWD SR 2023-24 Vol - III P.No. 49 - I.No. 6.1)**								
	Basic Rate	**4920.00**							
	Area Weightage 10%	**492.00**							
	Total Rate	**5412.00**							
	For CC Roads								
	Singapura								
	Poojamma Temple Opposite Road	1	60.00	4.00	0.15	36.00			
						36.00	**Cum**	**5412.00**	**194832.00**
21	Construction of un-reinforced plain cement concrete pavement using RMC M-30 grade with OPC @ 270 kg/m3 and GGBS@ 90 kg/m3 (75:25 proportion) as per approved mix design procedure and thickness as per design, over a prepared sub base. The superplastisiser confirming to IS 9103-1999 Reaffirmed-2008 ,Coarse aggregates and Fine aggregate confirming to IS:383-2016, transported to site, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work). Spreading the concrete with shovels, rackers and compacted using needle, suitable plate vibrator and finished in a continuous operation including provision of separation membrane and Hessian cloth finishing to lines and grades complete including cost of all materials, labour, all lead & lift, loading charges as per specification & direction of Engineer - incharge of the work. (Groove cutting shall be paid seperately) **(PWD SR 2023-24 Vol -III Pg No. 51 item no. 6.6)**								
	Basic Rate	**6774.00**							
	Area Weightage 10%	**677.40**							
	Total Rate	**7451.40**							
	For CC Roads								
	Singapura								
	Poojamma Temple Opposite Road	1	60.00	4.00	0.15	36.00			
						36.00	**Cum**	**7451.40**	**268250.40**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
22	Crack Groove Cutting: Groove shall be cut using hand held electrically operated concrete cutting machine of size of 50 mm wide and 75 mm deep on each side of the crack to form as "V" groove all along the crack to fill the polyester resin/ Epoxy putty (horizontal and vertical cracks). After the groove cutting, the concrete shall be removed from the groove using the pneumatic concrete chipping machine to form "V" groove. The item includes the cost of hire charges for all machineries, tools and barges and all labour charges etc., complete **(PWD SR 2023-24 Vol -III Pg No. 161 Item No. 10)**								
	Basic Rate	**750.00**							
	Area Weightage 10%	**75.00**							
	Total Rate	**825.00**							
	For CC Roads								
	Singapura								
	Poojamma Temple Opposite Road	6	4.00			24.00			
						24.00	**Cum**	**825.00**	**19,800.00**
23	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 15 km = 150 t.km **(PWD SR 2023-24 Vol-III Page No. 5, Item No.1.4A)**								
	Basic Rate	**180.00**							
	15KM Lead = 12*15	**180.00**							
	Area Weightage 10%	18.00							
	Total Rate	**198.00**							
	Qty frm Item No-3		2234.6	1.28		2860.29			
	Qty frm Item No-11		686.0	1.28		878.08			
						3738.37	**t.Km**	**198.00**	**740196.86**
	Total Construction Cost								**21007073.37**
	18% GST for Construction Cost								**3781273.21**
	1% of PMC Charges for Construction Cost								**210070.73**
	Sub Total - 1								**24998417.31**
	Utility Shifting,Miscellaneous and Rounding off								**1,582.69**
	GRAND TOTAL								**25000000.00**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary.
2) The work spot comes under B.B.M.P Limits.
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of PWD 2023-24 and Date Rates.

Assistant Engineer
Ward No-14
BBMP Bangalore

Asst. Executive Engineer,
Vidyaranyapura Sub Division
BBMP Bangalore

Executive Engineer,
Bytarayanapura Division
BBMP Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

SKETCH

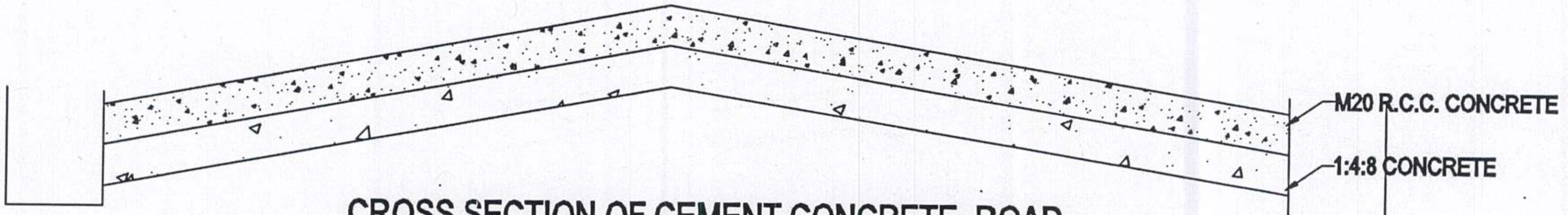
BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

CROSS SECTIONS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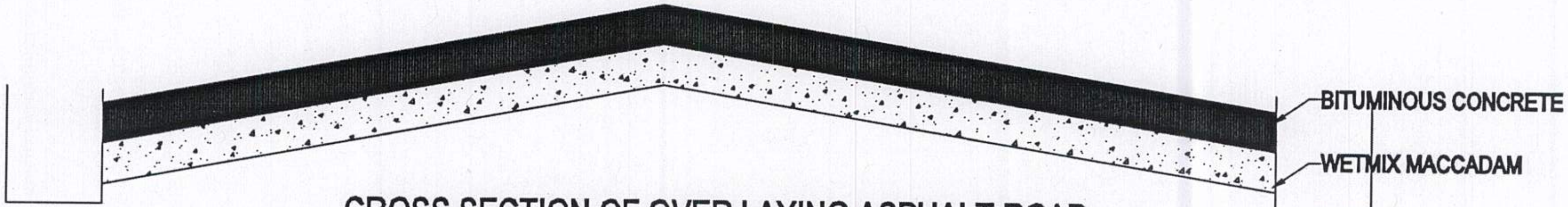
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WETMIX MACCADAM

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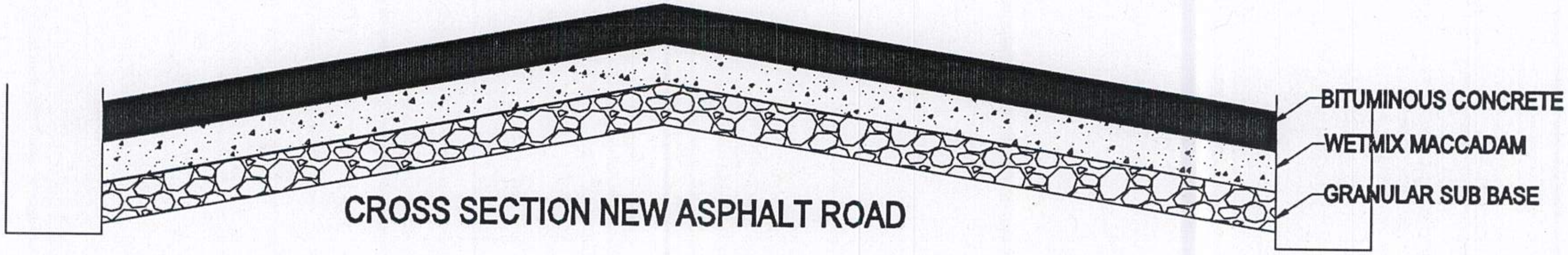
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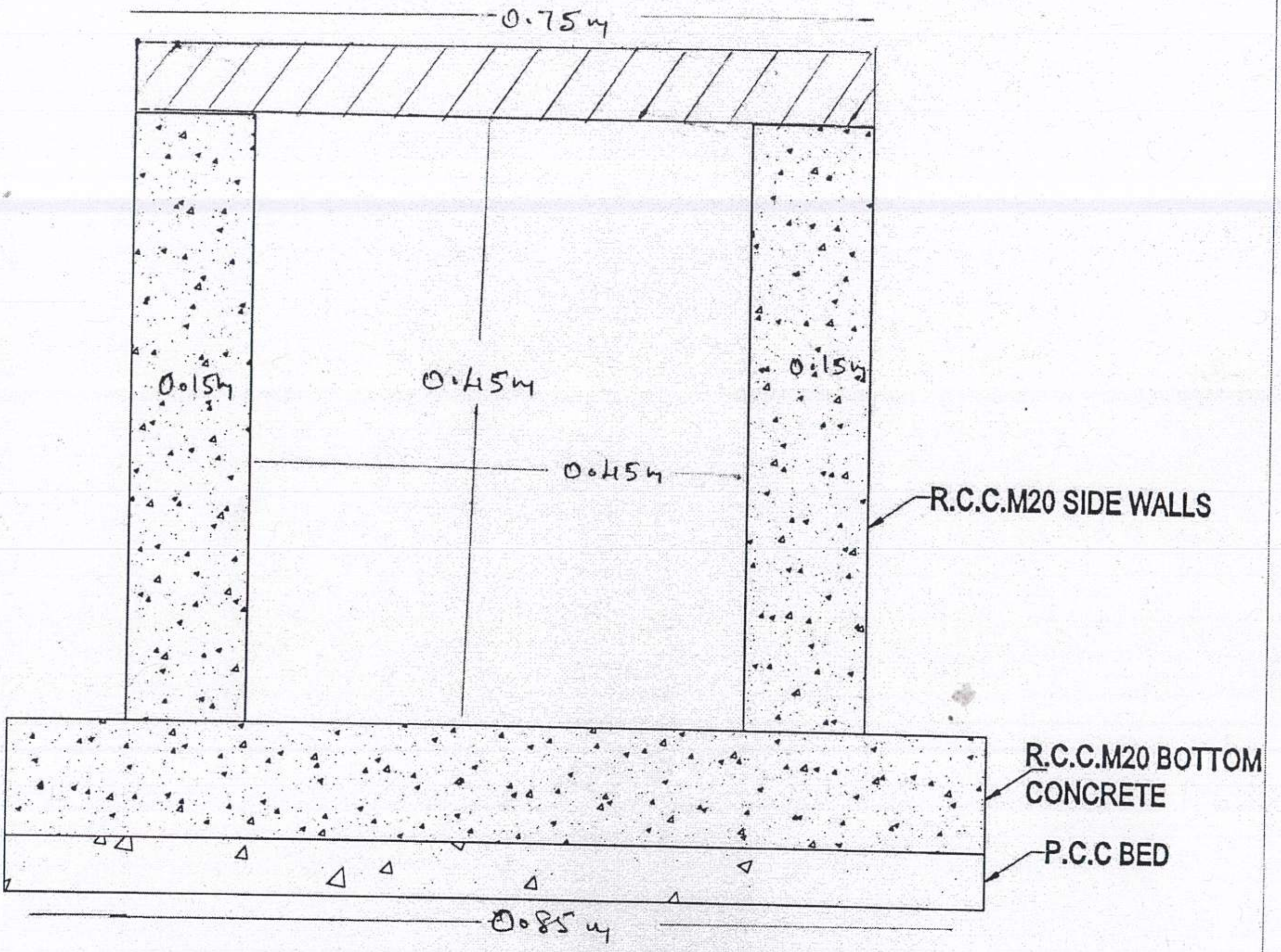
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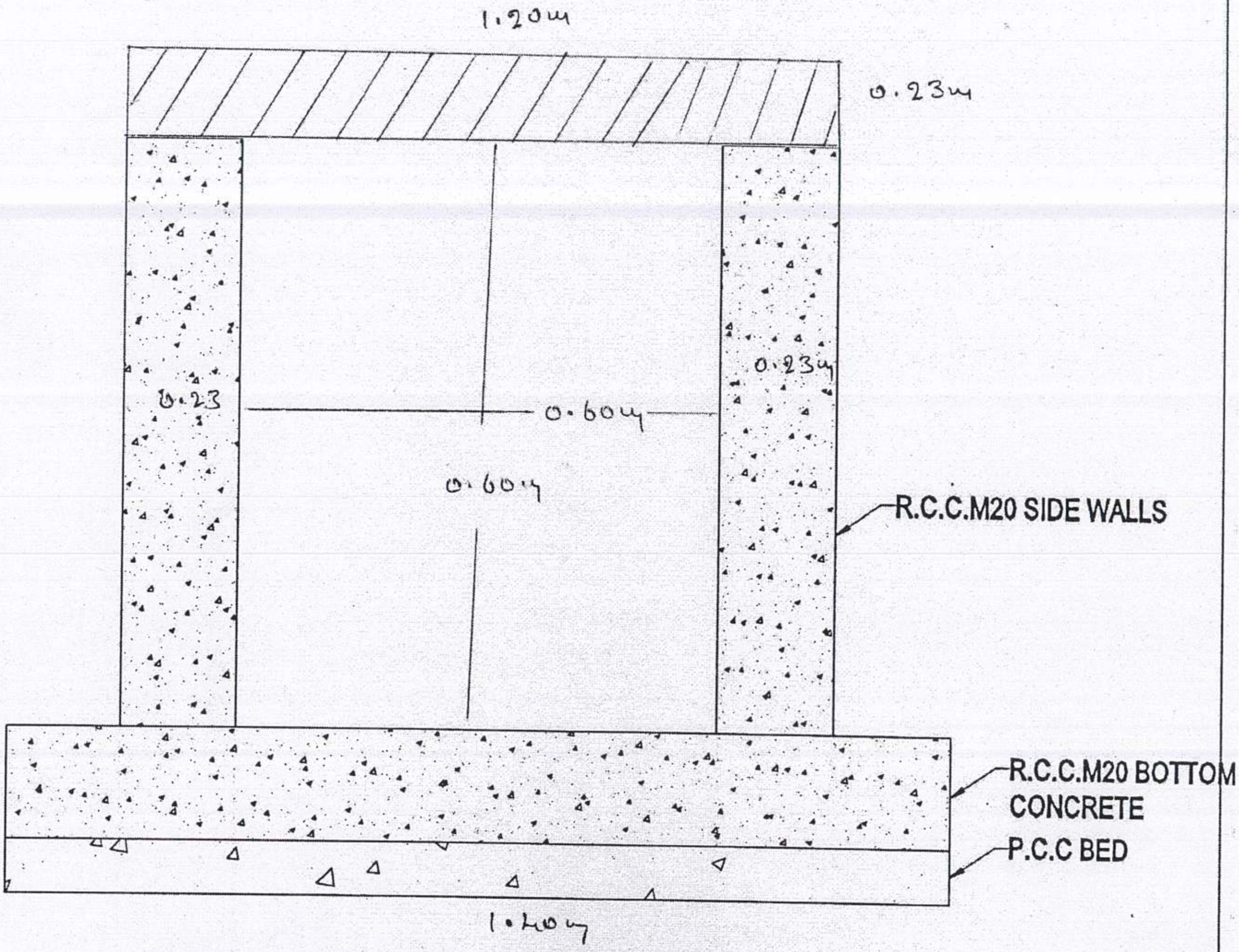
0.45m
0.15m
0.45m
R.C.C.M20 SIDE WALLS
R.C.C.M20 BOTTOM CONCRETE
P.C.C BED
0.85m

CROSS SECTION OF R.C.C DRAIN


1.20m
0.23m
0.23
0.60m
0.23m
0.60m
R.C.C.M20 SIDE WALLS
R.C.C.M20 BOTTOM CONCRETE
P.C.C BED
1.40m

CROSS SECTION OF CULVERT

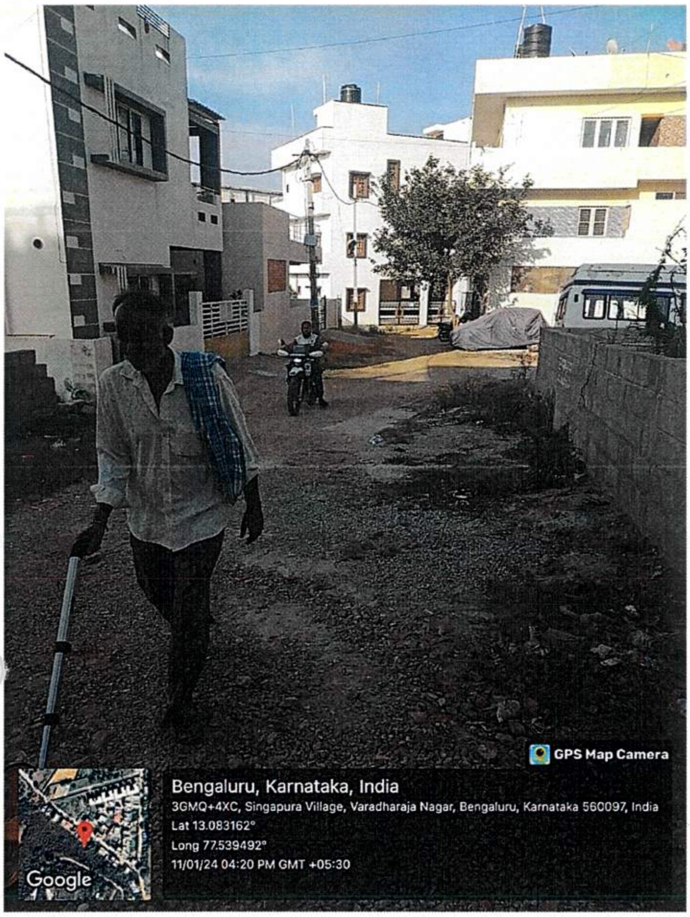
BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

PHOTOS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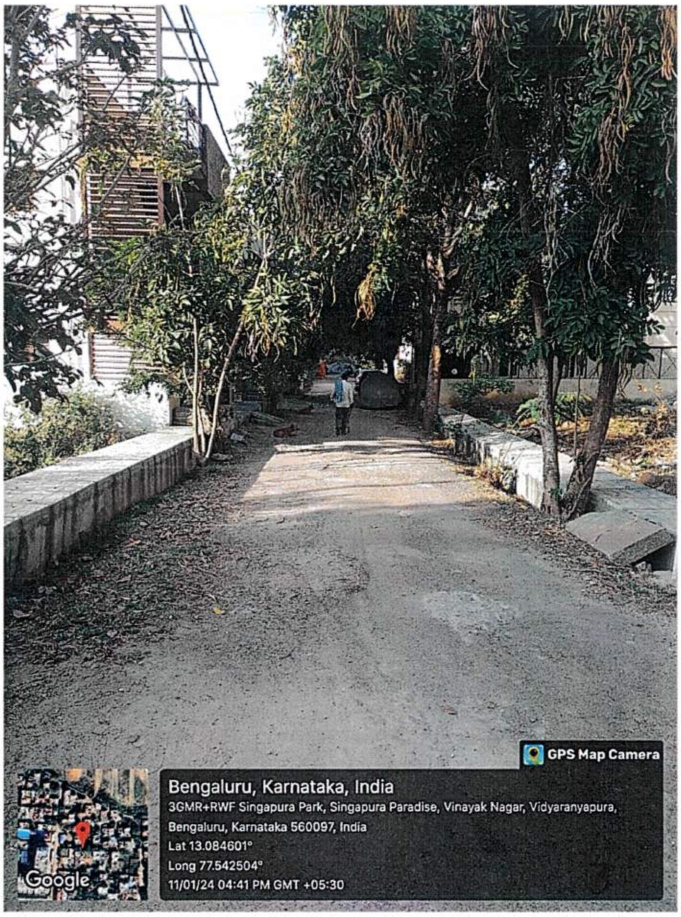
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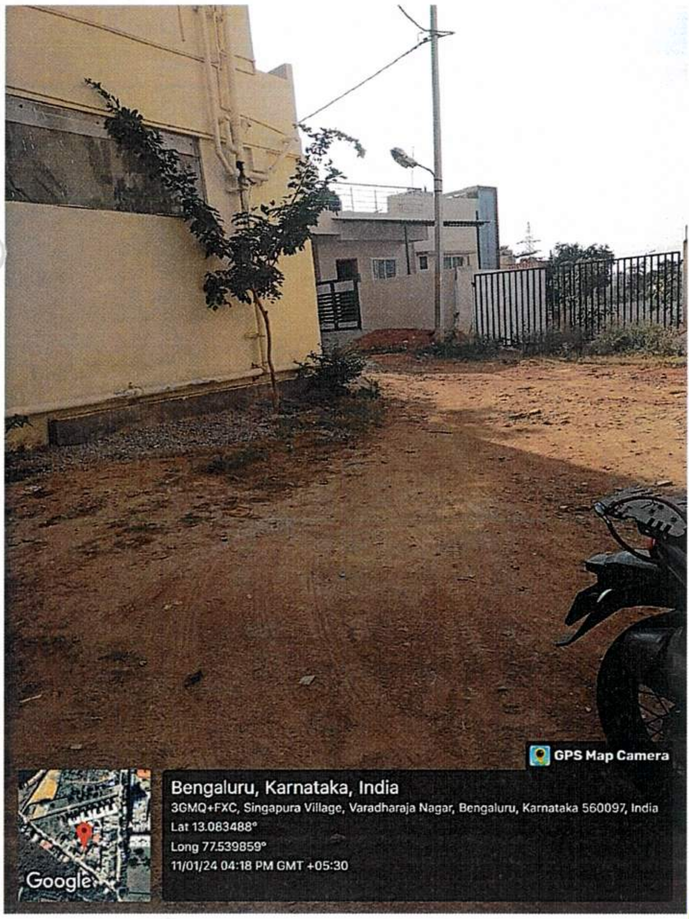
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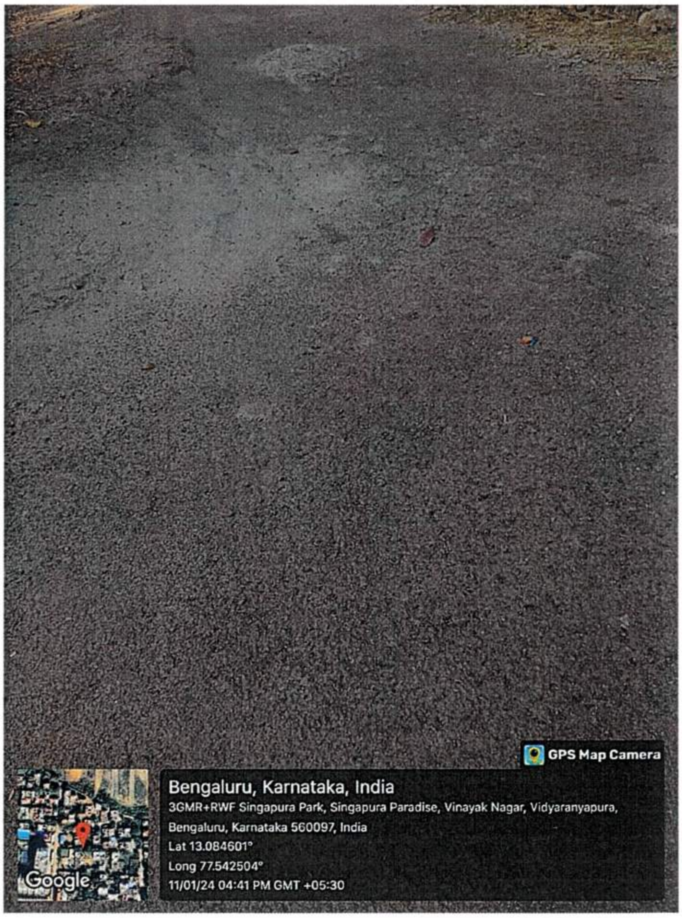
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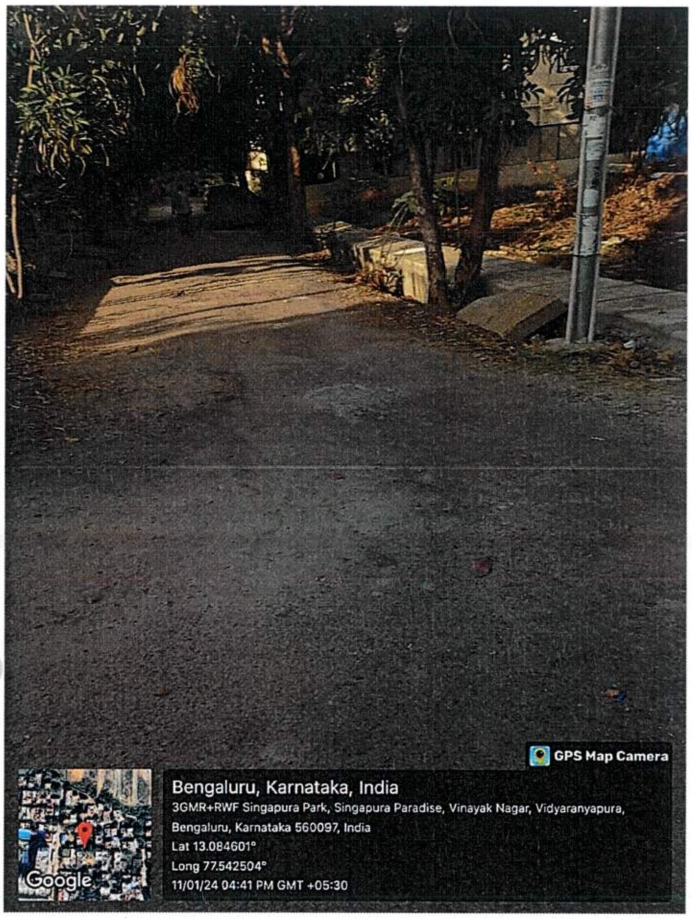
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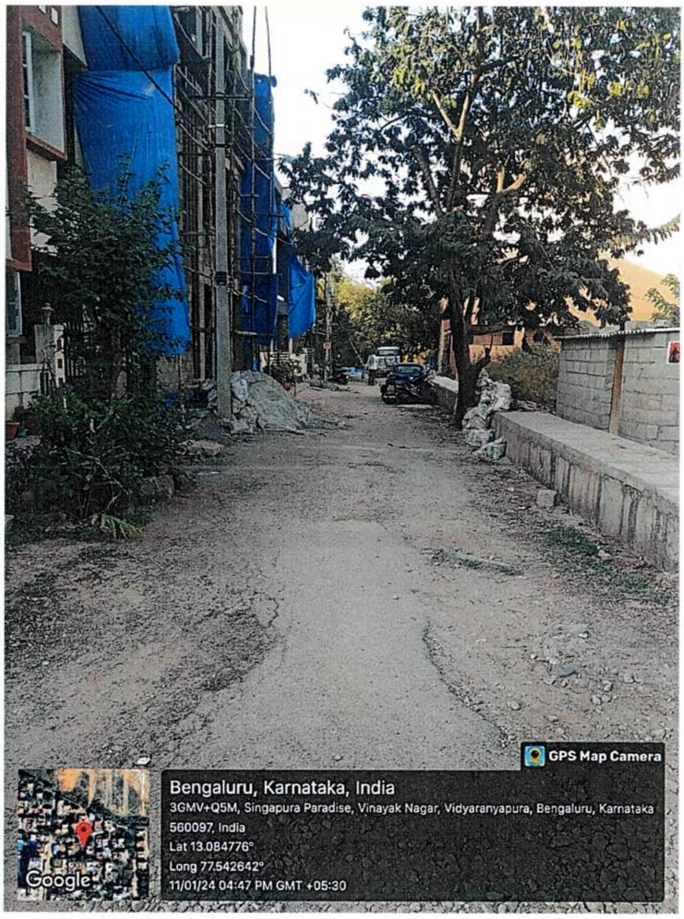
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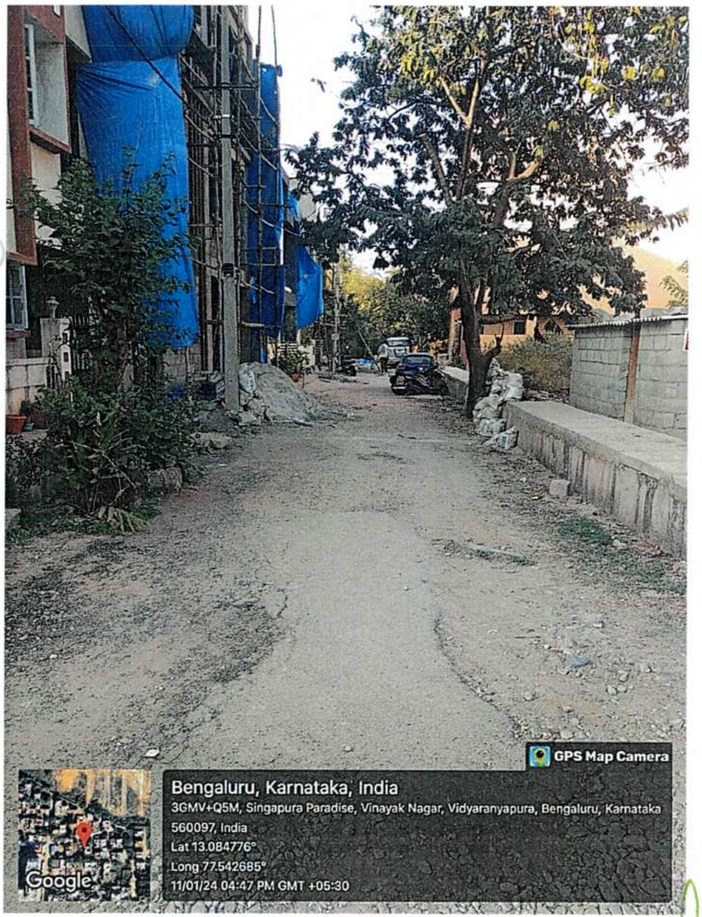
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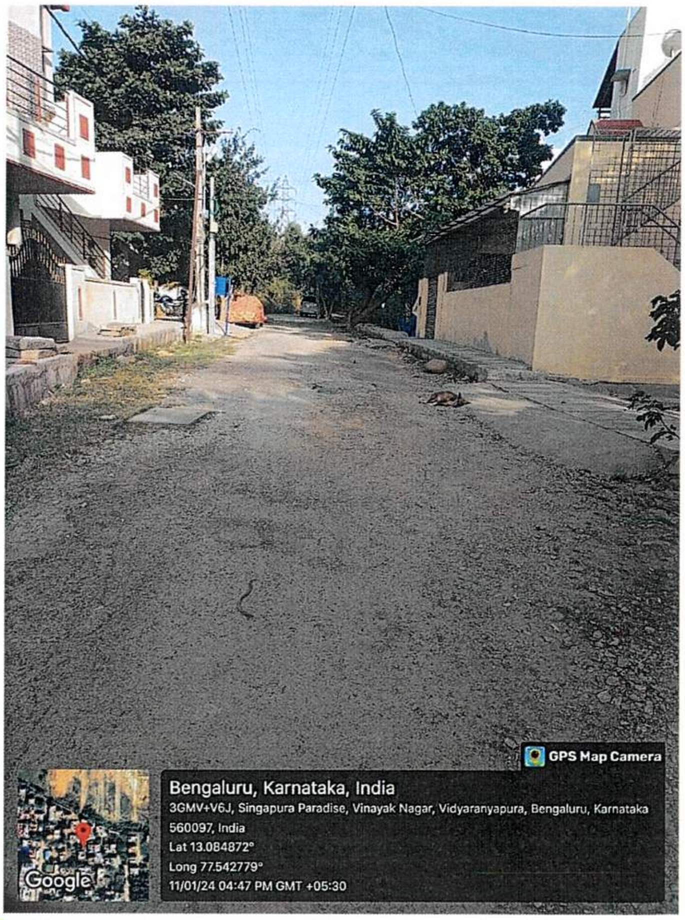
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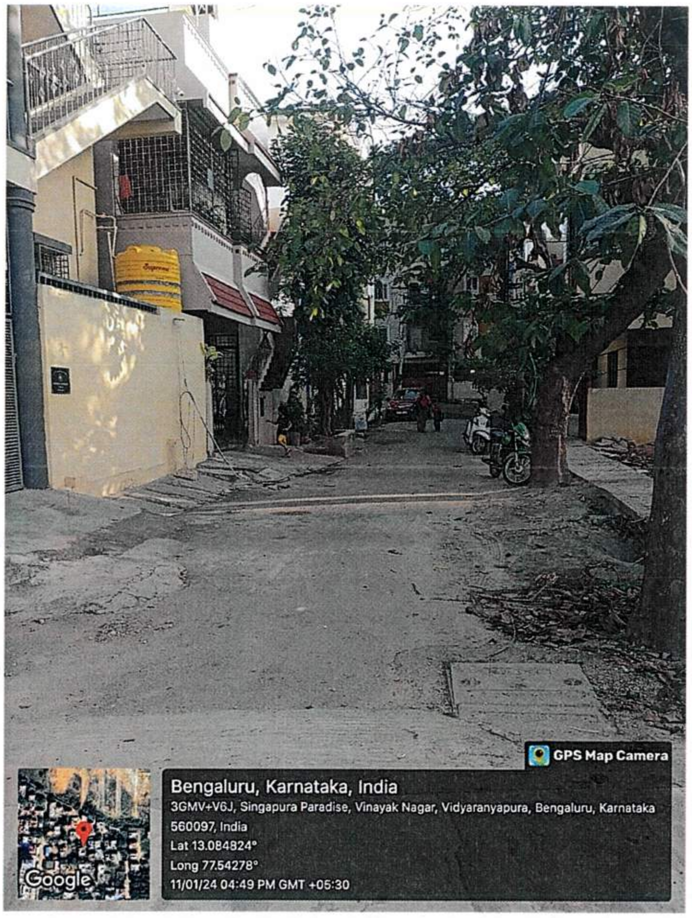

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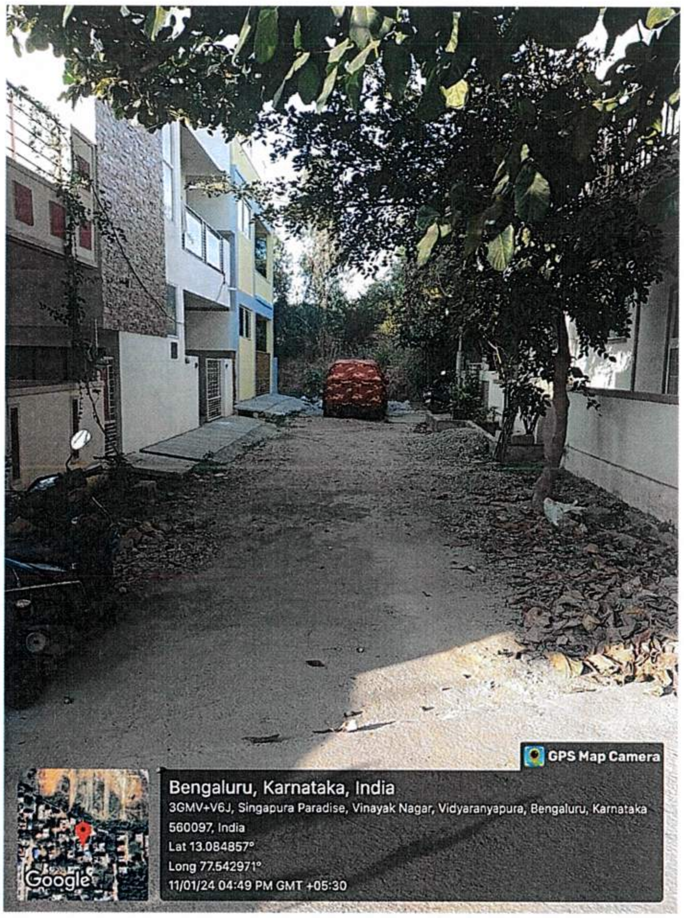

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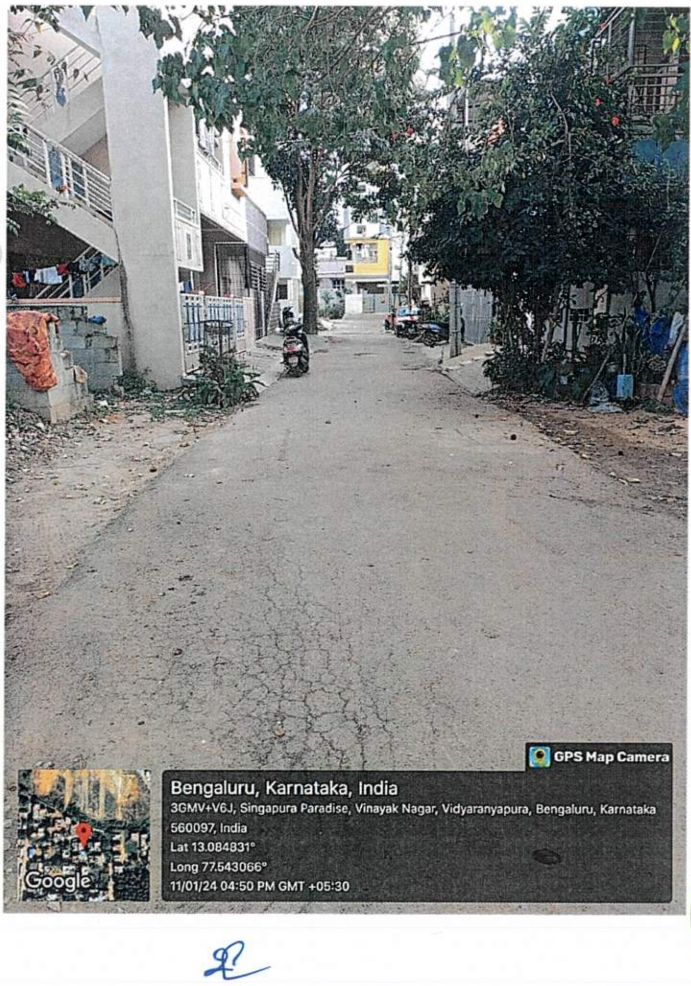

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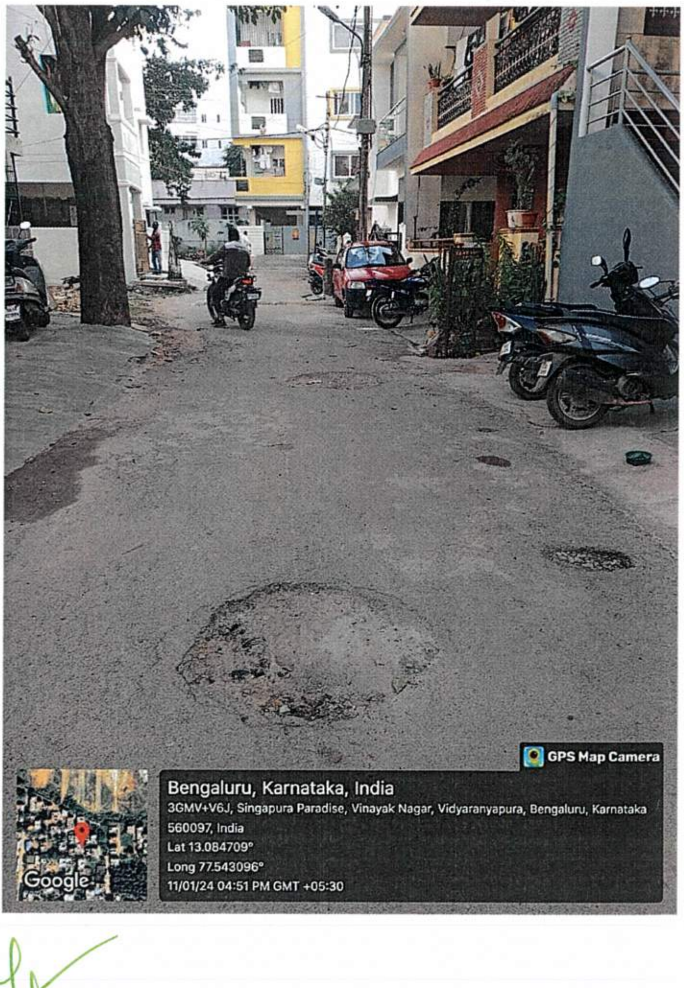

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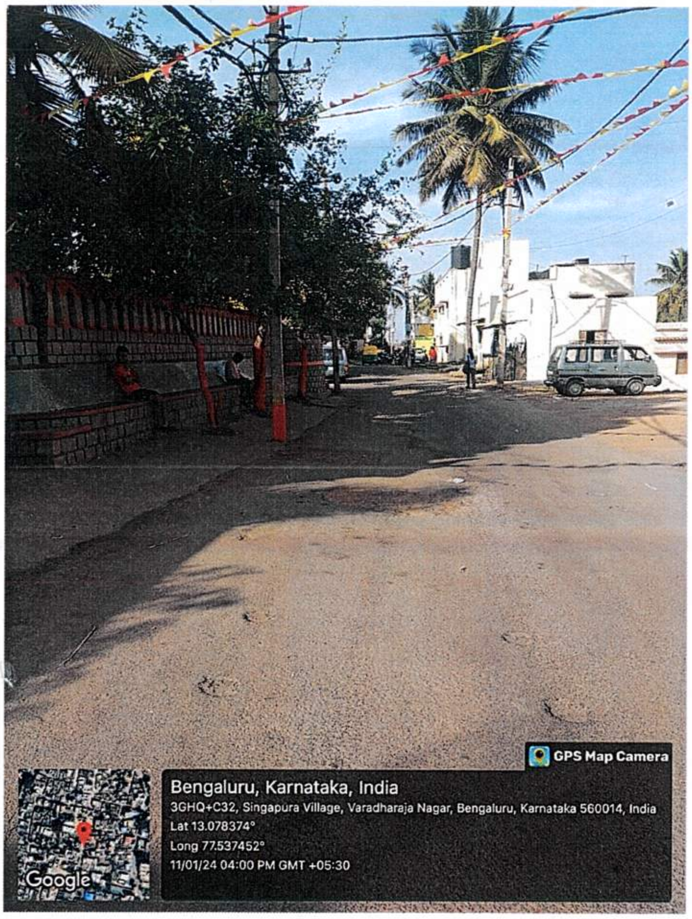
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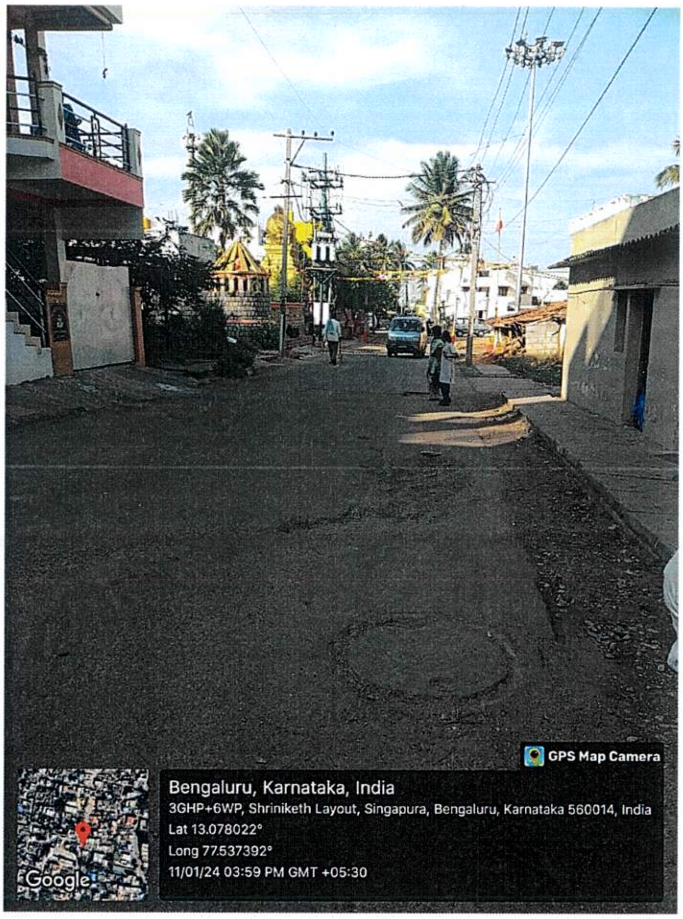
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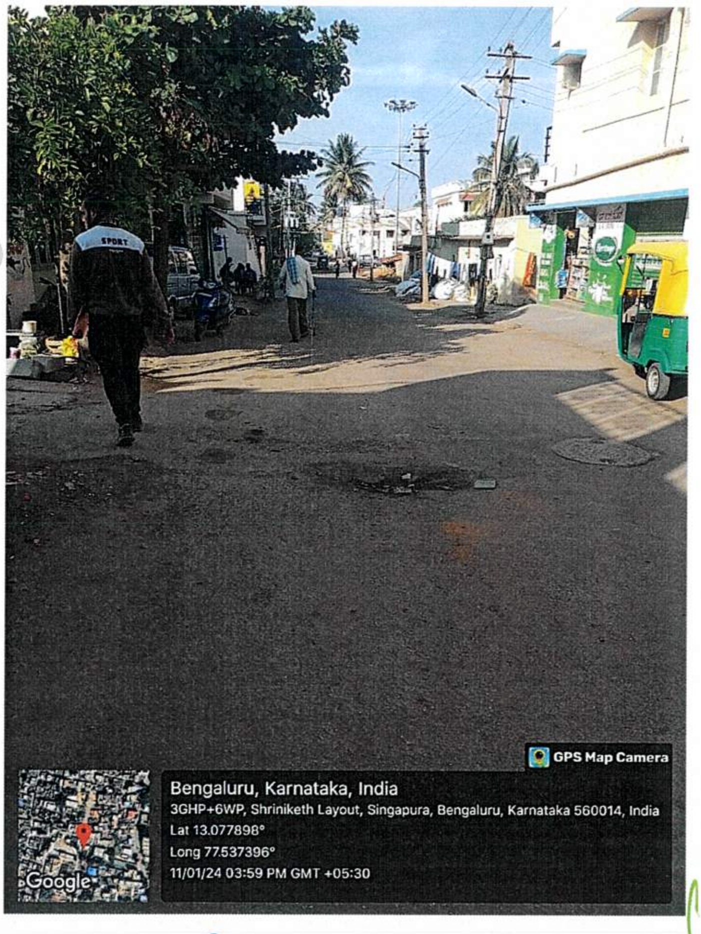
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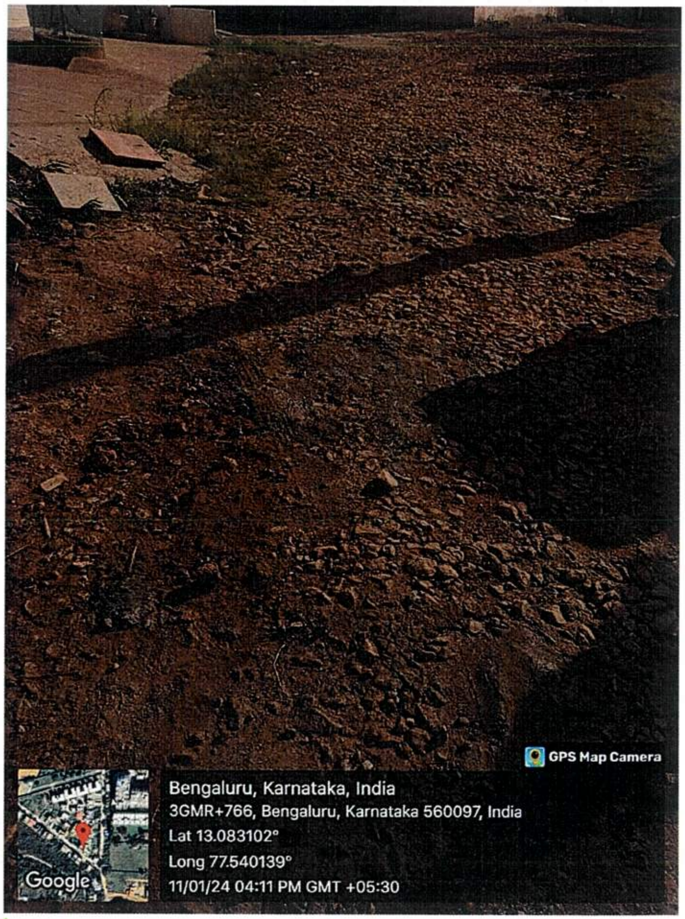
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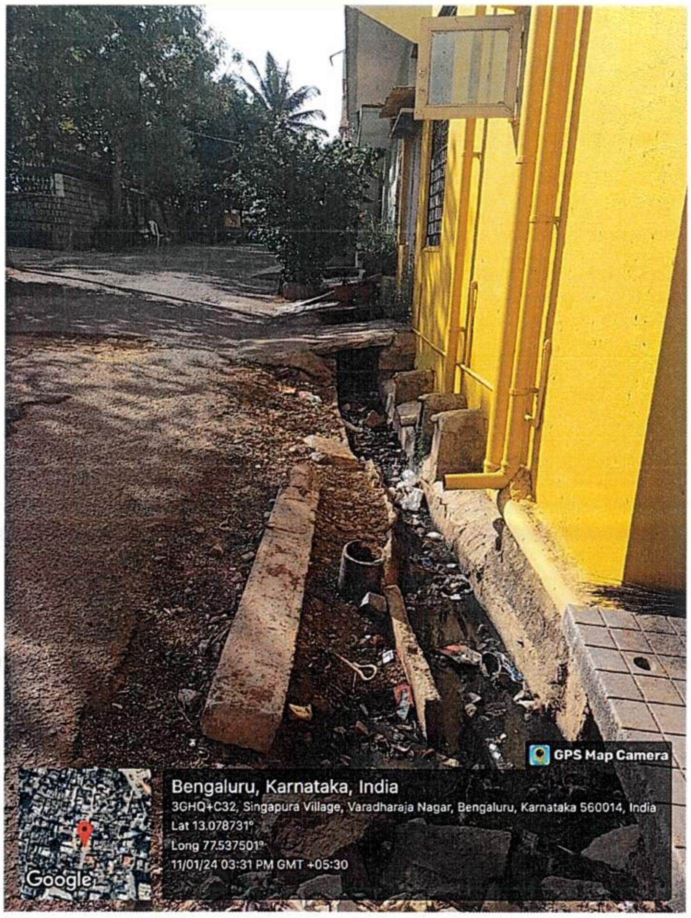
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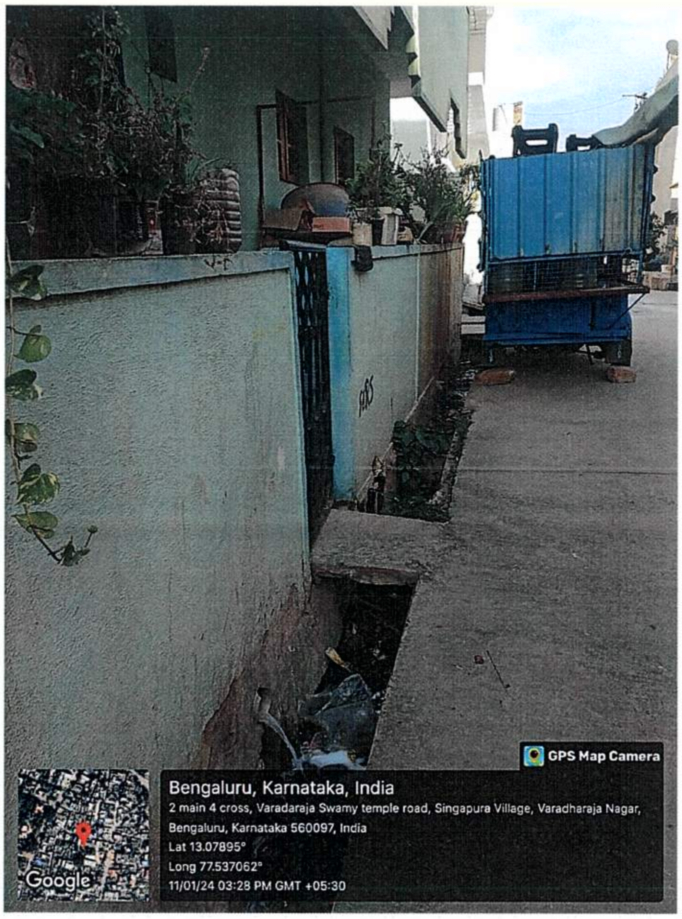
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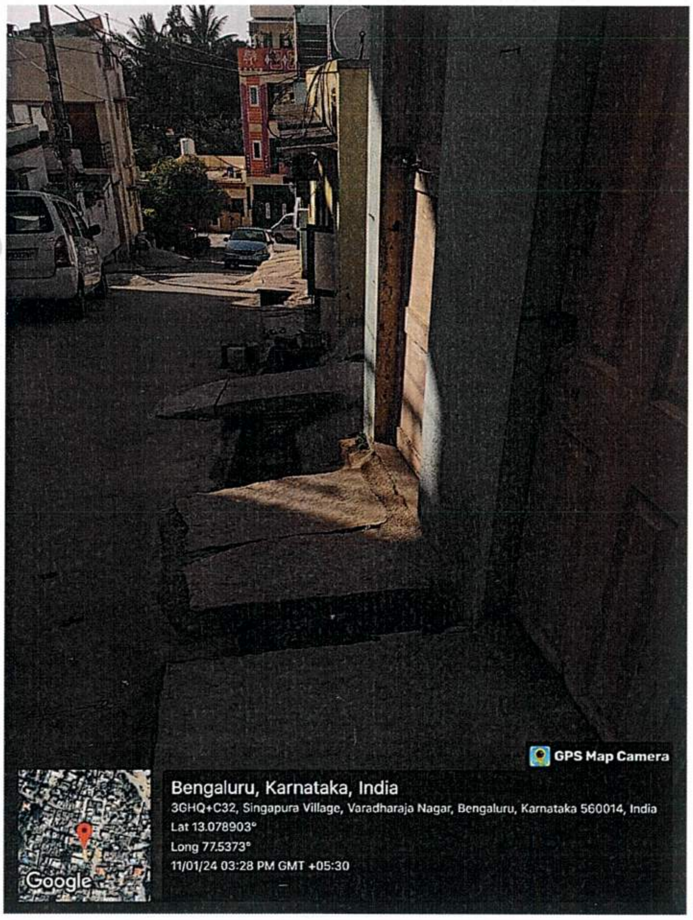
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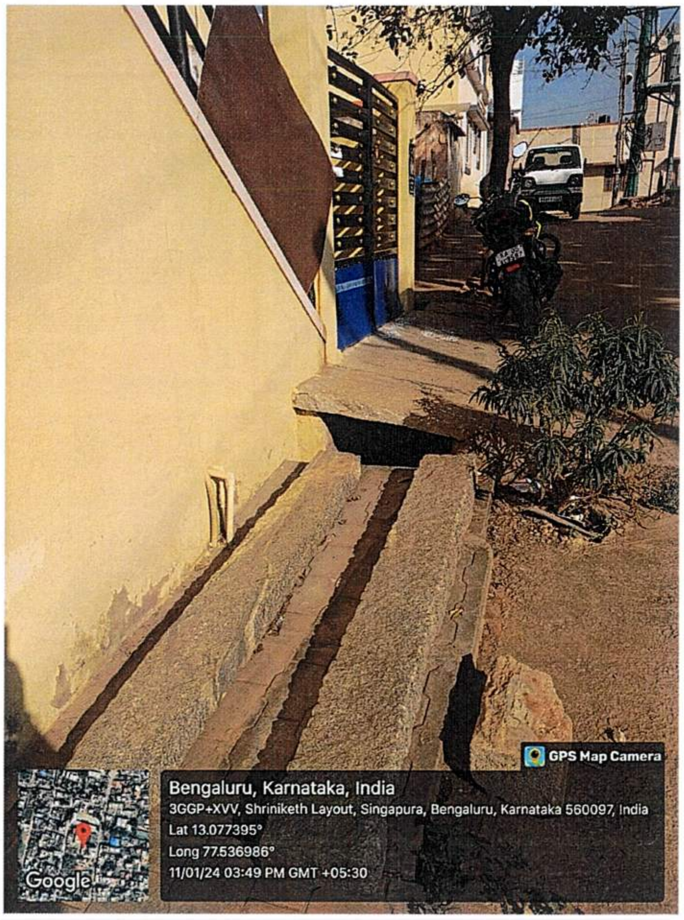
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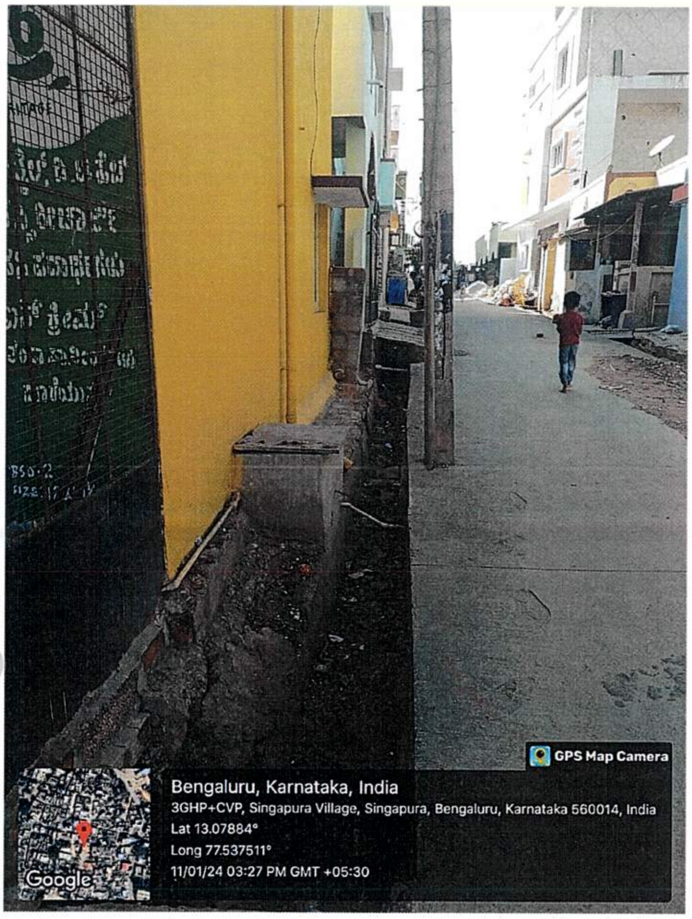
3GGP+XVV, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560097, India
Lat 13.077395°
Long 77.536986°
11/01/24 03:49 PM GMT +05:30

ABE (VRP) SD



GPS Map Camera

Bengaluru, Karnataka, India
3GHP+CVP, Singapura Village, Singapura, Bengaluru, Karnataka 560014, India
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Long 77.537511°
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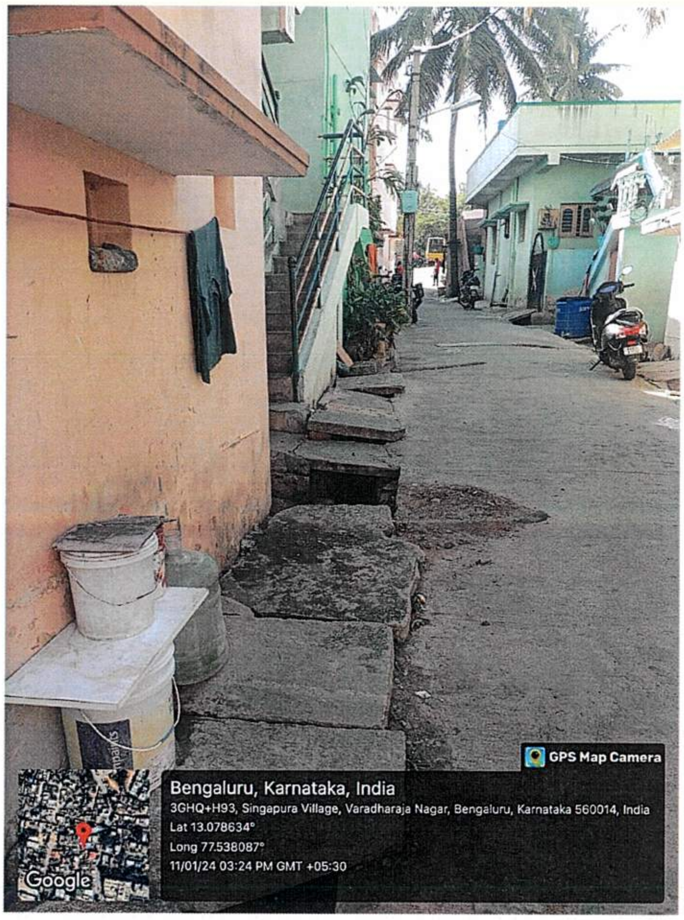

GPS Map Camera

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3GHQ+H93, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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Long 77.538087°
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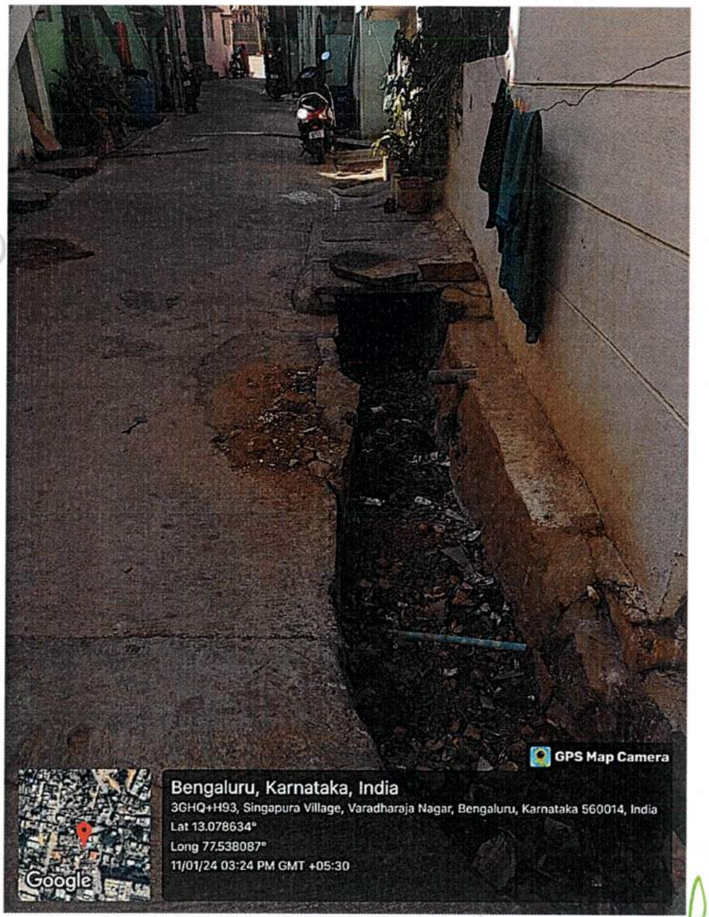

GPS Map Camera

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3GHQ+H93, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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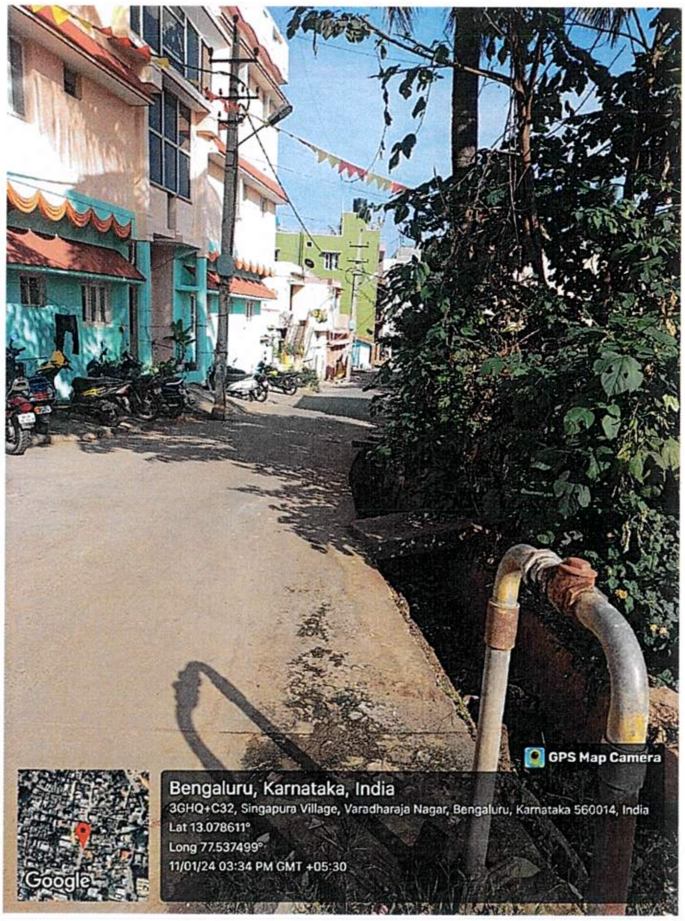

GPS Map Camera

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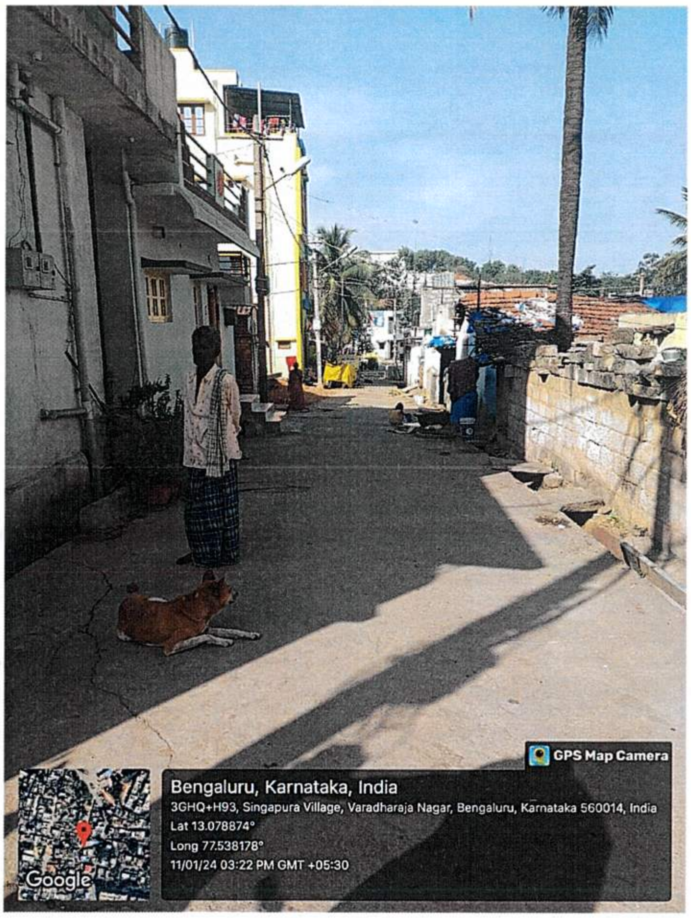
AEE (VRP) SD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Bengaluru, Karnataka, India
3GHQ+H93, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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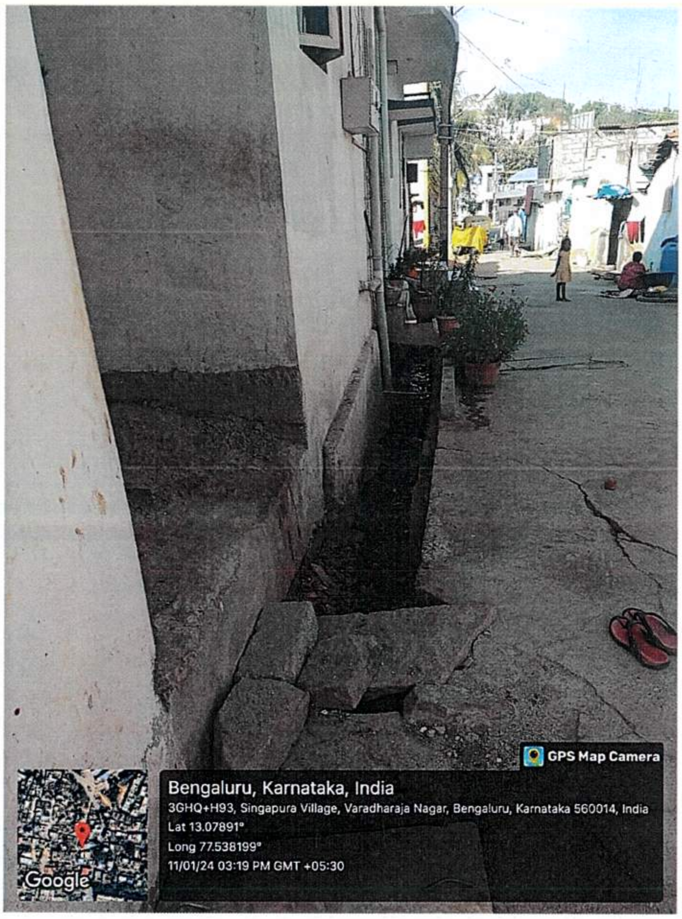
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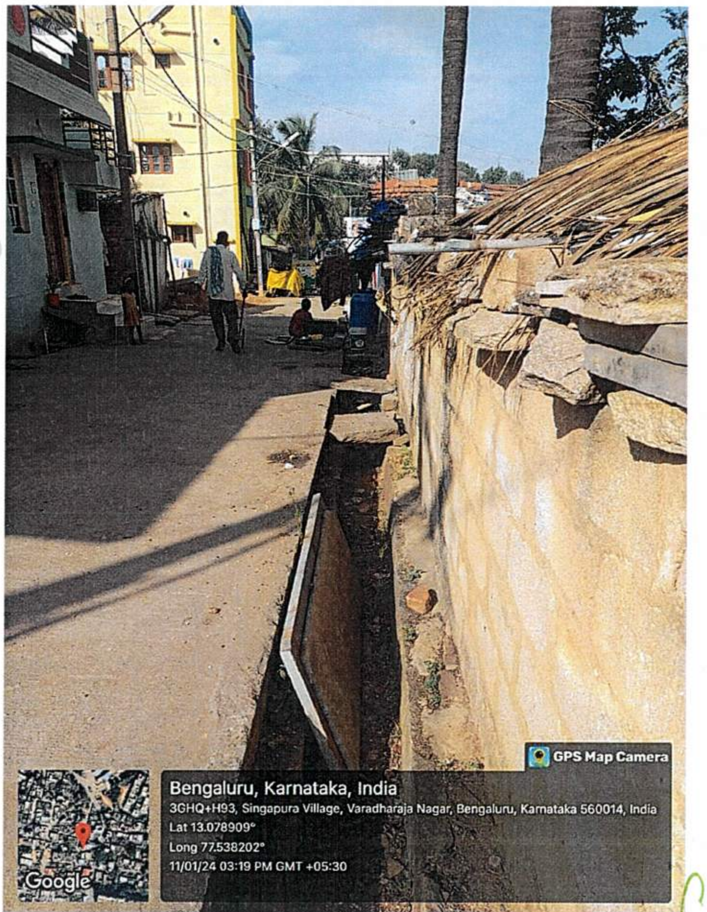
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Google
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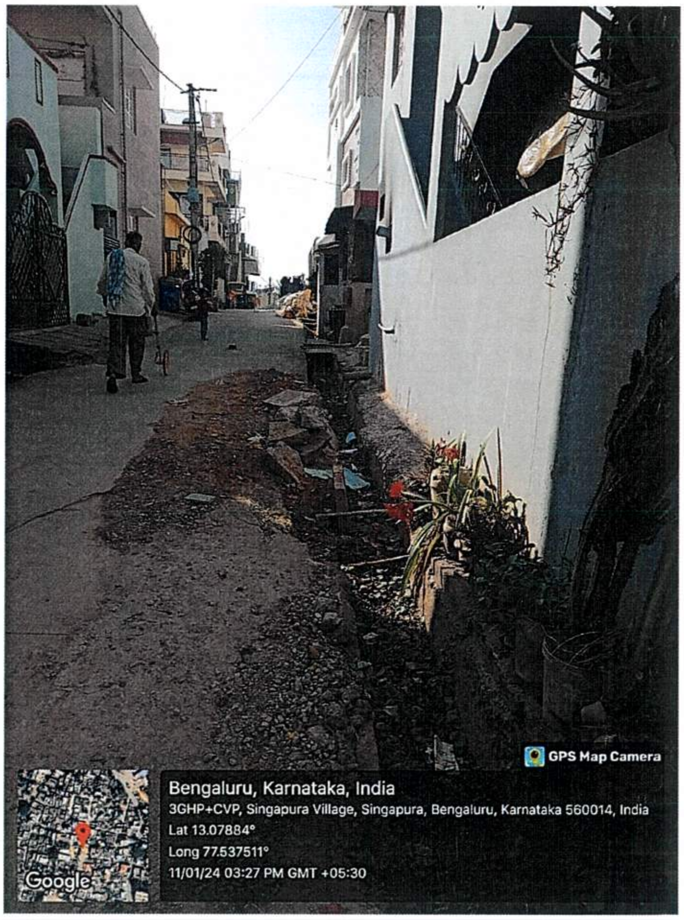
GPS Map Camera
Google
Bengaluru, Karnataka, India
3GHP+CVP, Singapura Village, Singapura, Bengaluru, Karnataka 560014, India
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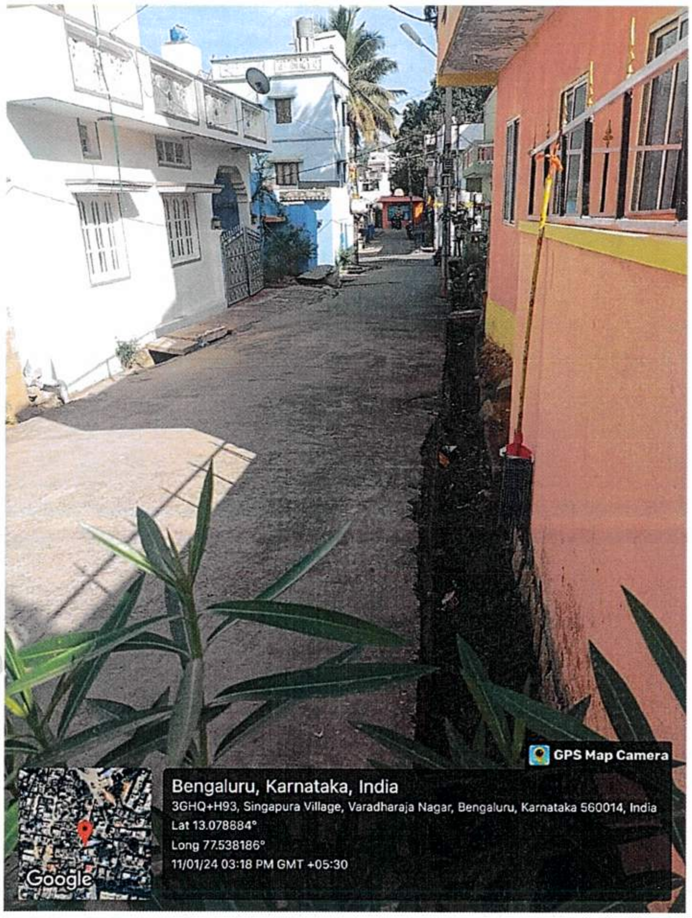
AEE (VRP) SD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3GHQ+H93, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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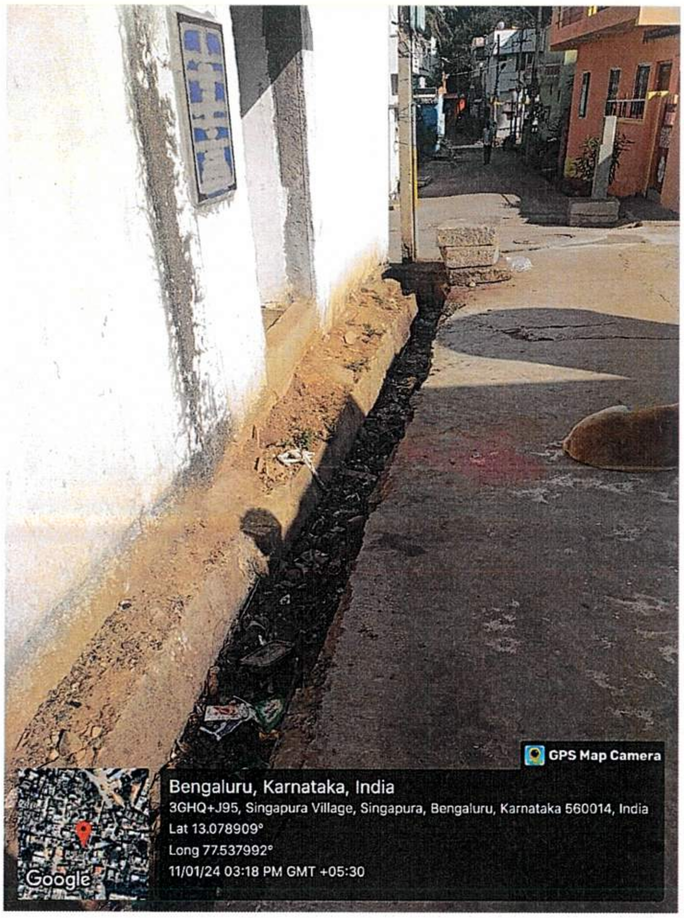
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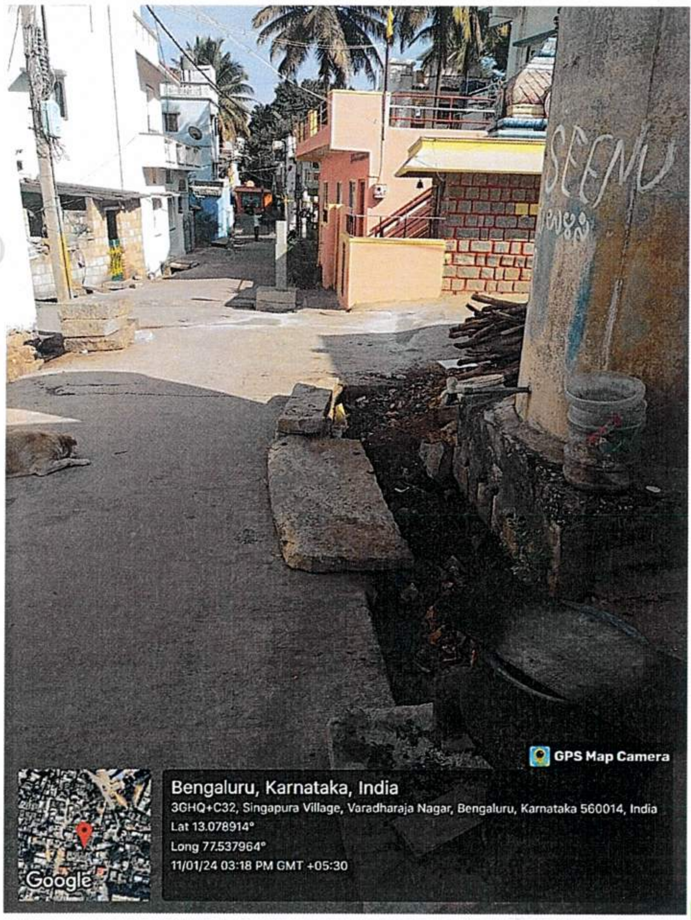
Google


SEENU
GPS Map Camera
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3GHQ+C32, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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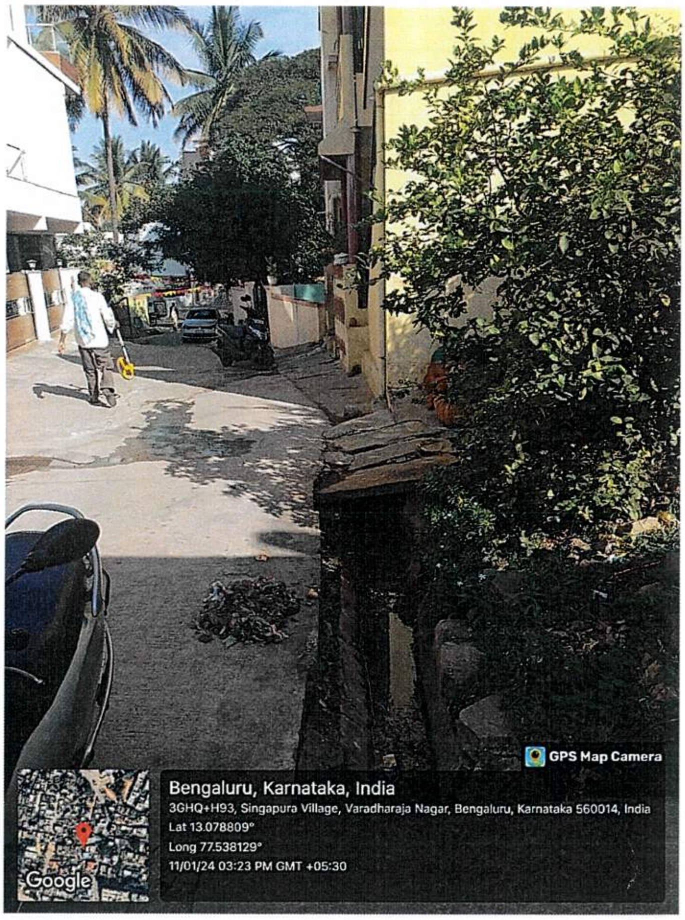
Google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3GHQ+H93, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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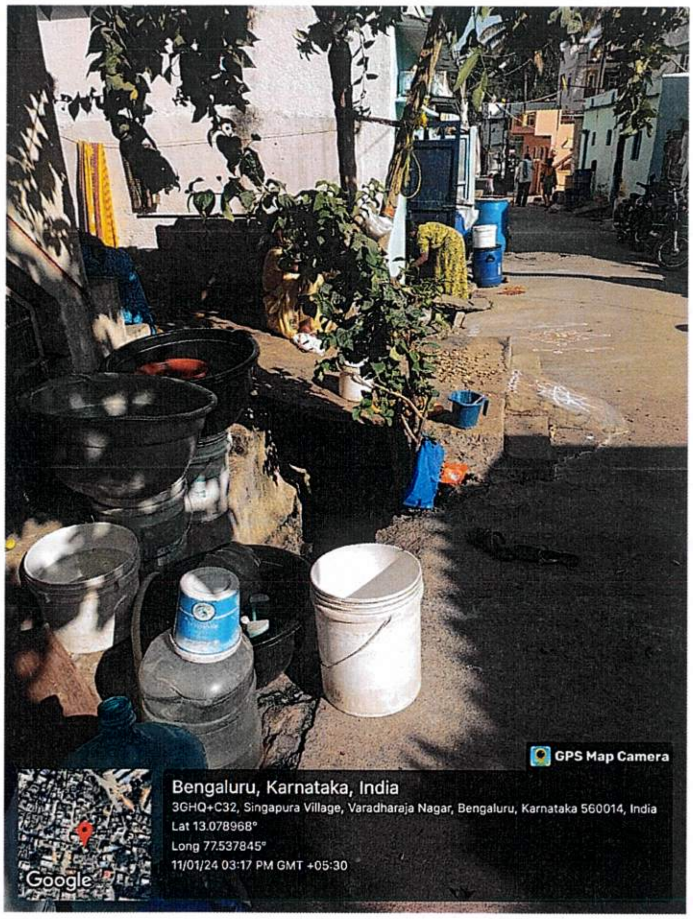
AEE (VRP) SD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3GHQ+C32, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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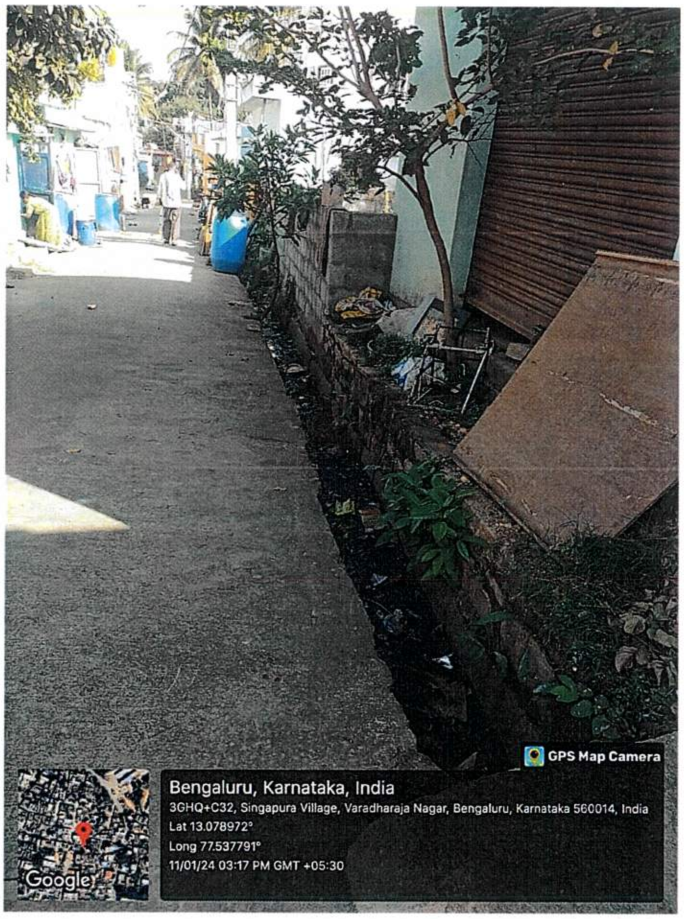
Google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3GHQ+C32, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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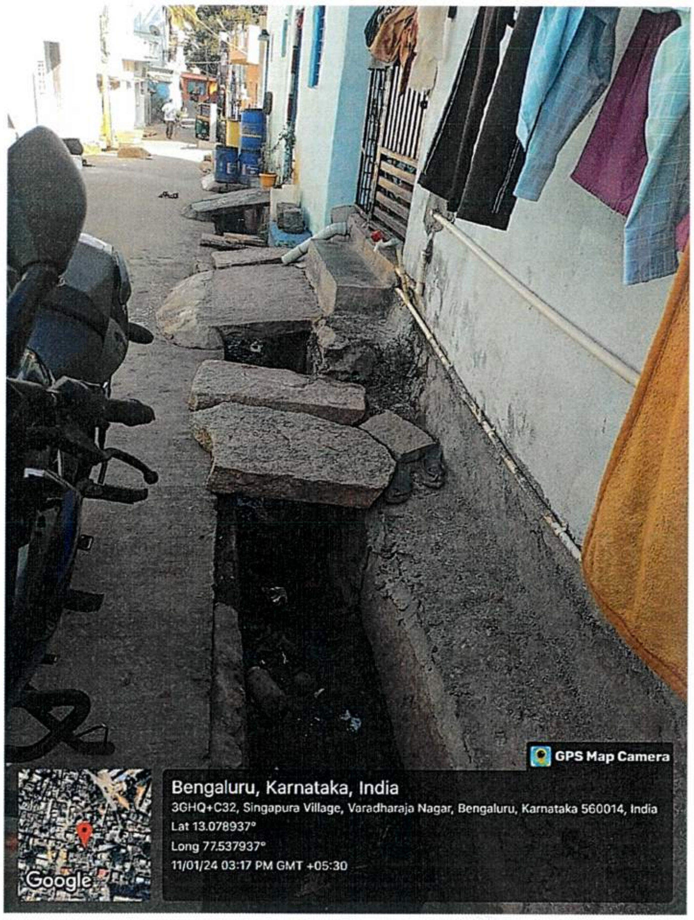
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3GHQ+C32, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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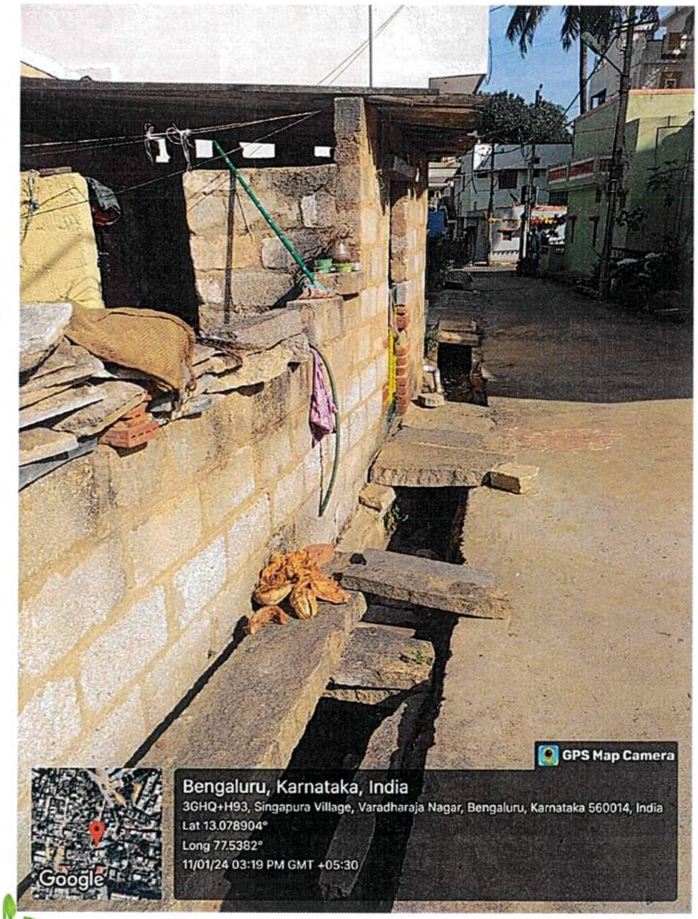
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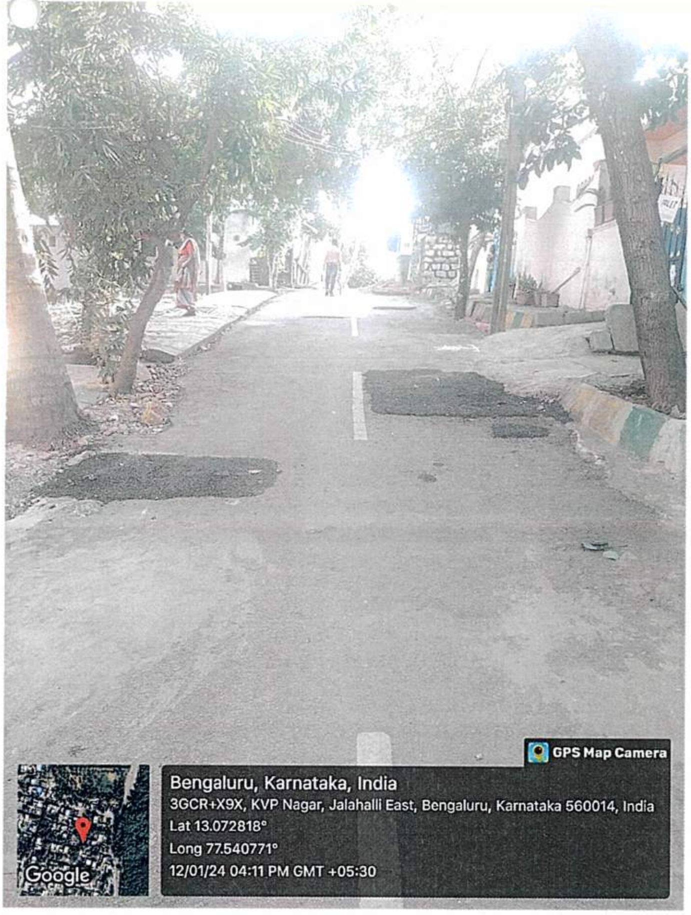
ABE (VRP) SD


GPS Map Camera
Google

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3GCR+X9X, KVP Nagar, Jalahalli East, Bengaluru, Karnataka 560014, India
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Long 77.540771°
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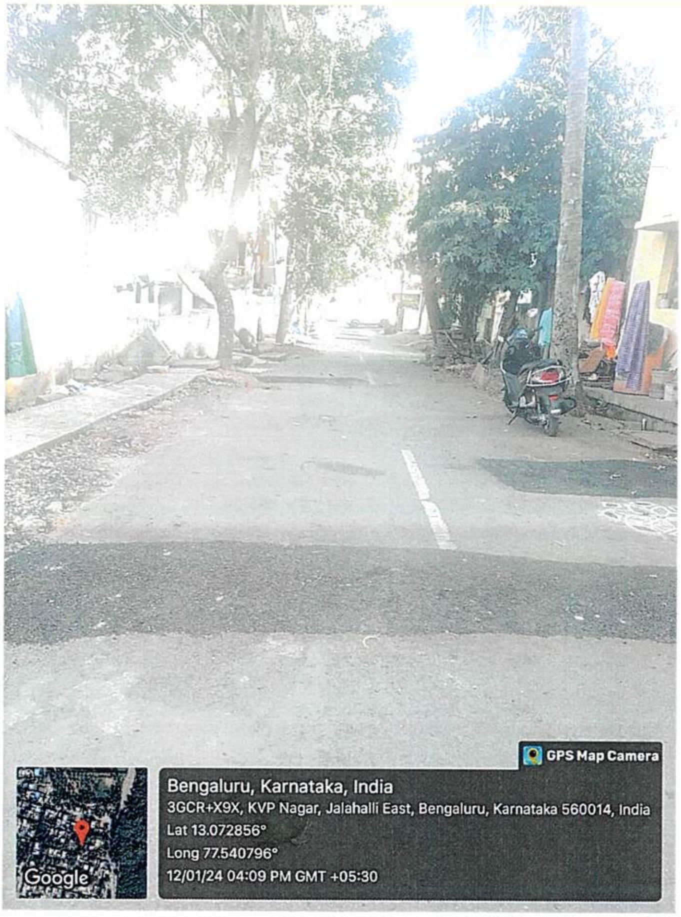
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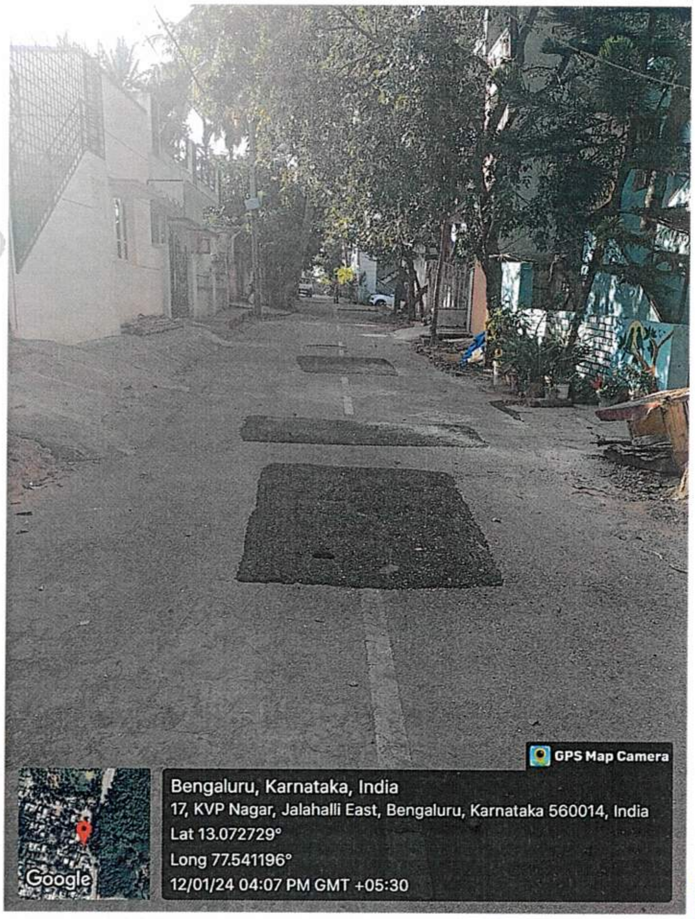
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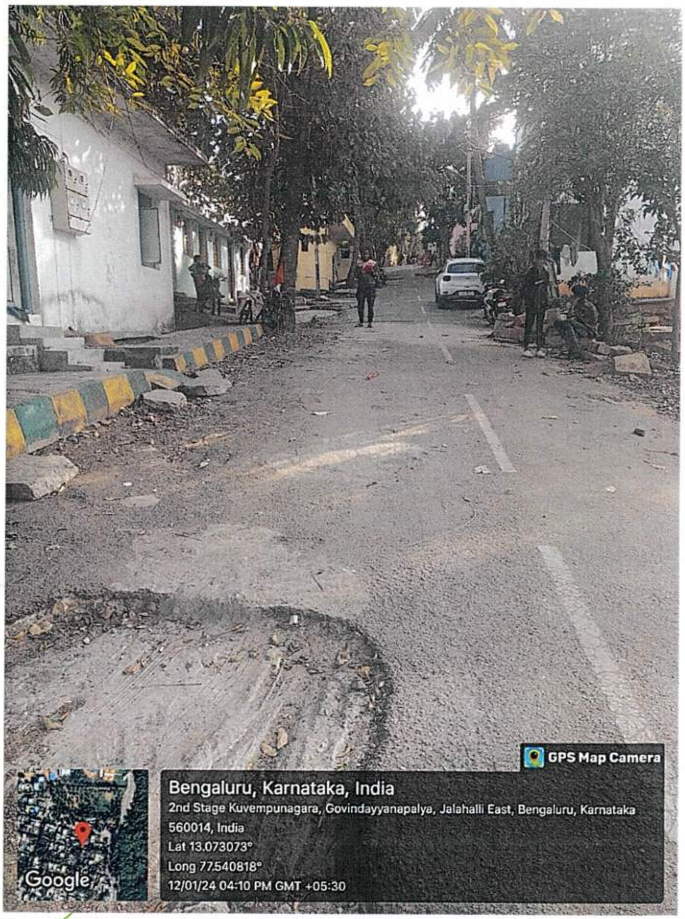
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Bengaluru, Karnataka, India
2nd Stage Kuvempunagara, Govindayyanapalya, Jalahalli East, Bengaluru, Karnataka 560014, India
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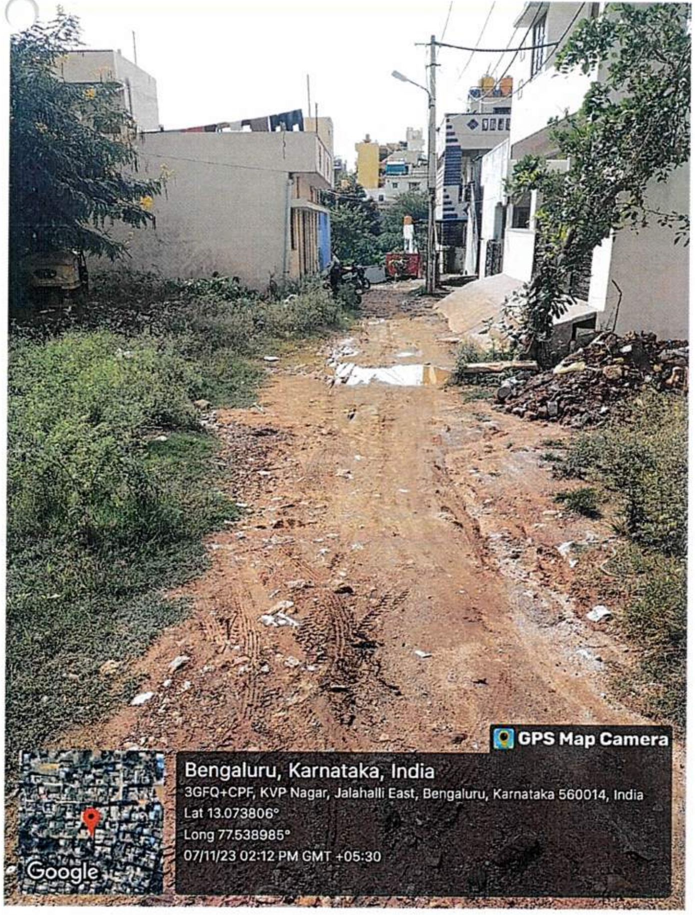
AEE (VRP) SD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3GFQ+CPF, KVP Nagar, Jalahalli East, Bengaluru, Karnataka 560014, India
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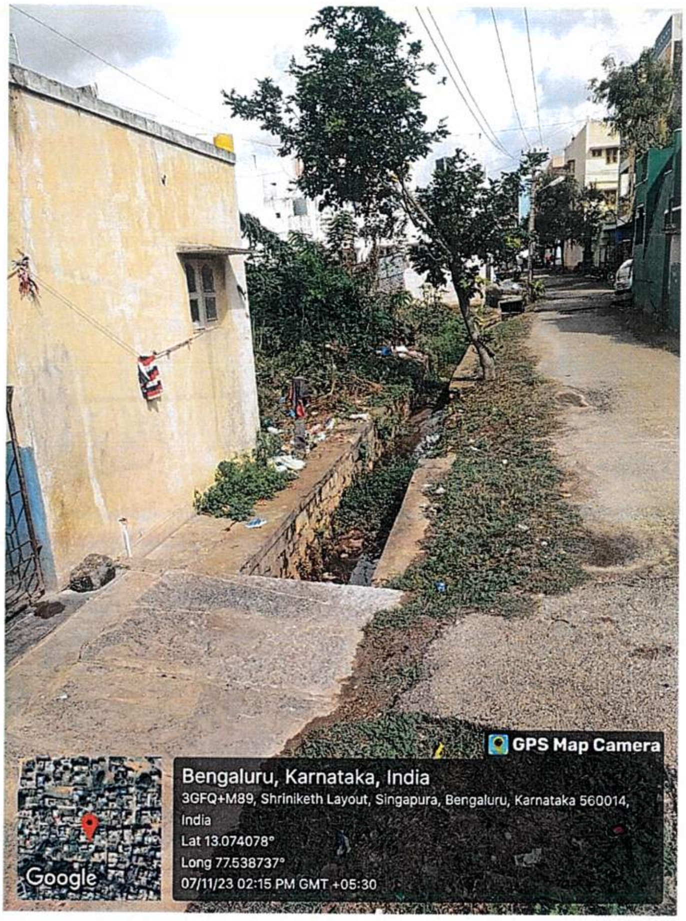
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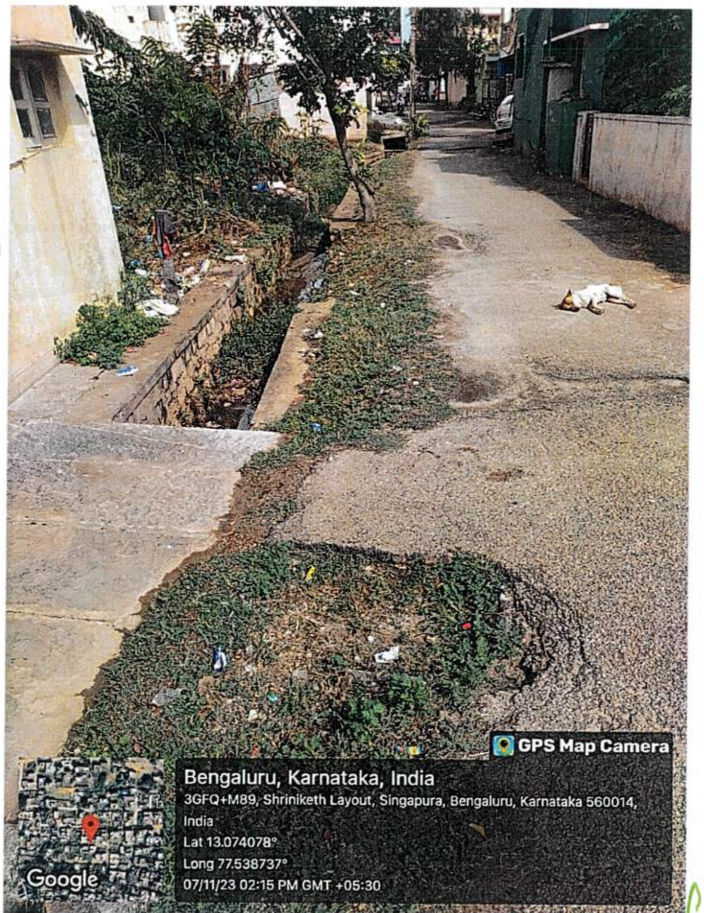
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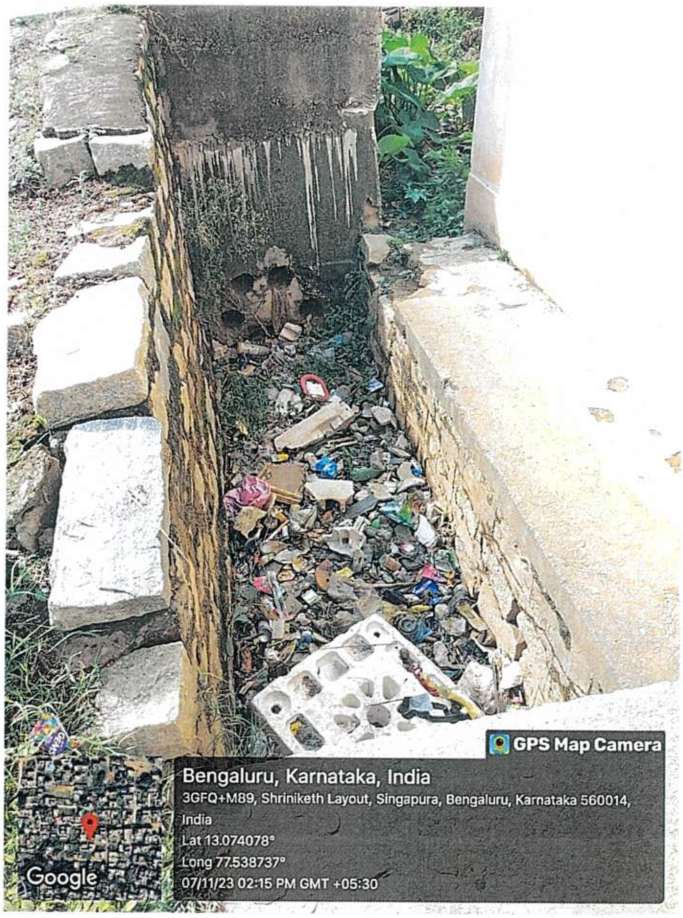
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Bengaluru, Karnataka, India
3GFQ+M89, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560014, India
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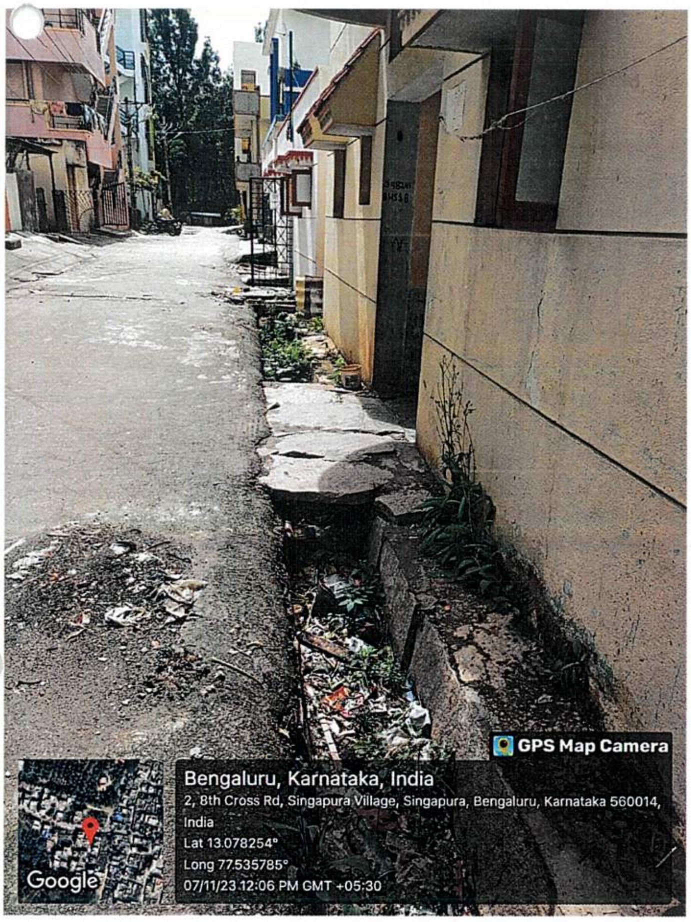
AEE (VRP) SD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Google
Bengaluru, Karnataka, India
2, 8th Cross Rd, Singapura Village, Singapura, Bengaluru, Karnataka 560014, India
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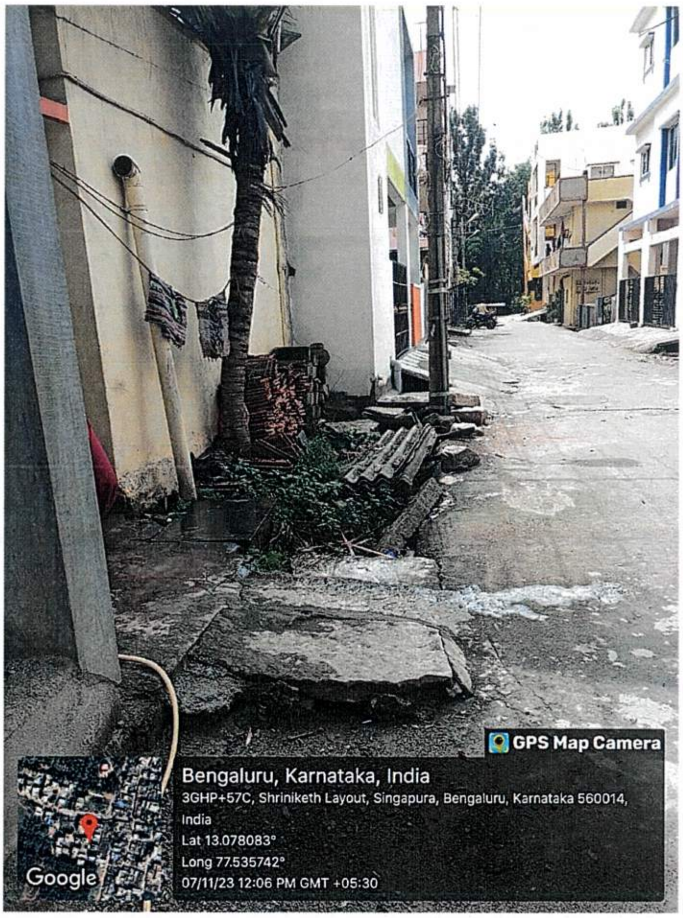
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Bengaluru, Karnataka, India
3GHP+57C, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560014, India
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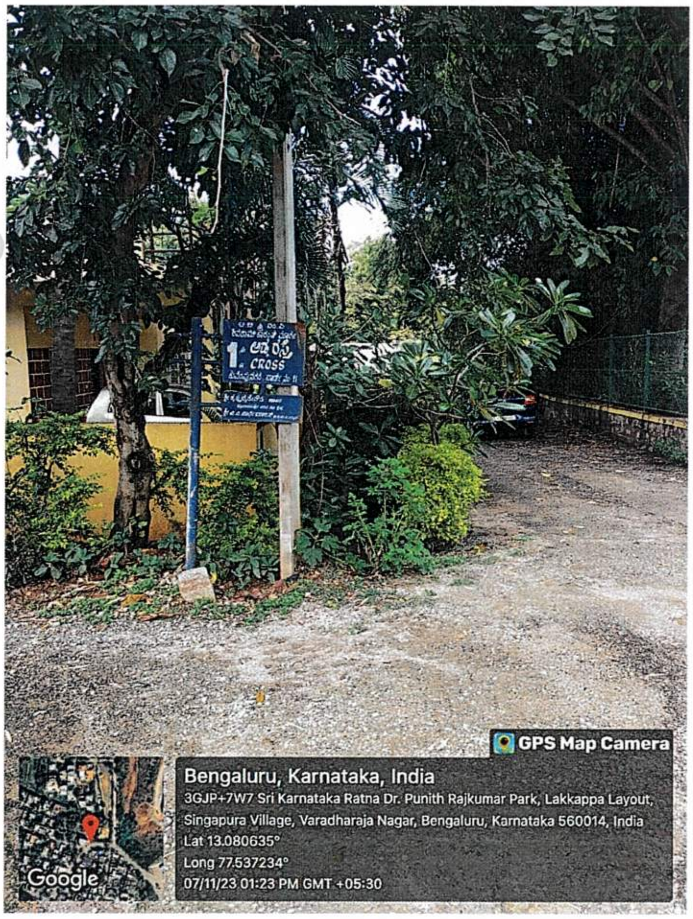
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Bengaluru, Karnataka, India
3GJP+7W7 Sri Karnataka Ratna Dr. Punith Rajkumar Park, Lakkappa Layout, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
Lat 13.080635°
Long 77.537234°
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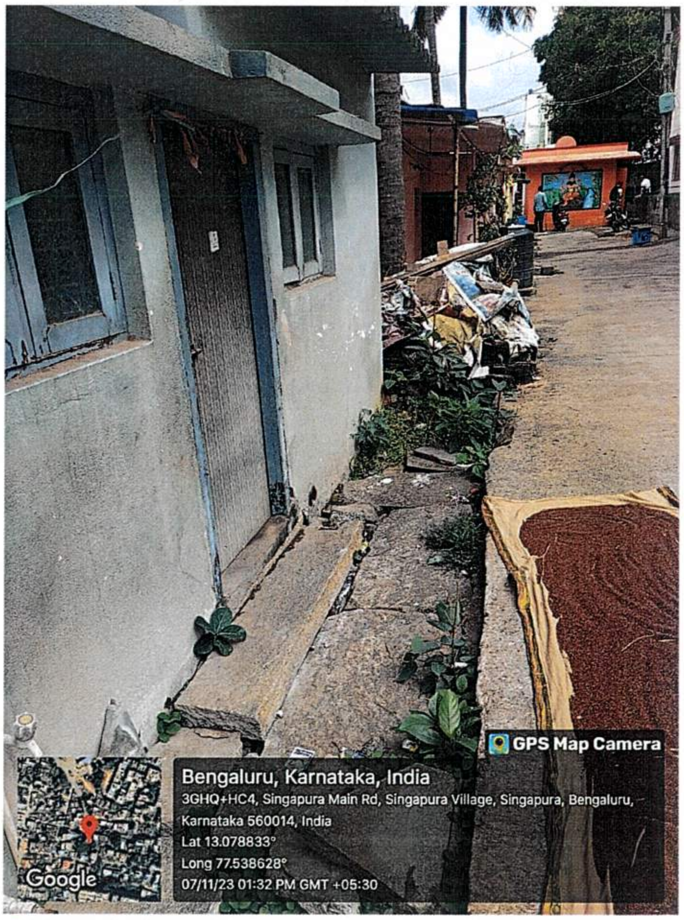
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Bengaluru, Karnataka, India
3GHQ+HC4, Singapura Main Rd, Singapura Village, Singapura, Bengaluru, Karnataka 560014, India
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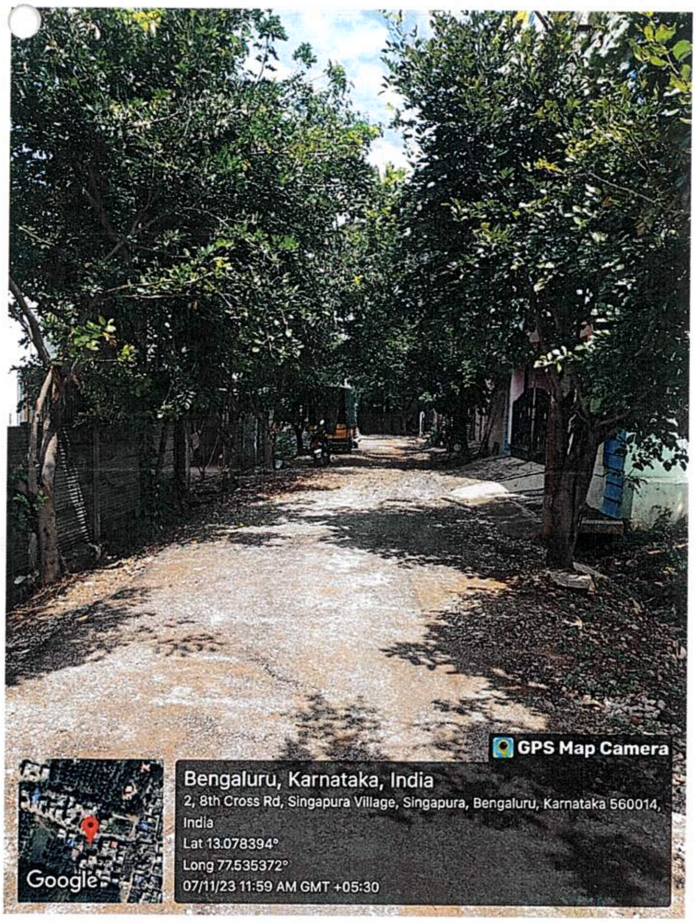
AEE (VRP) SD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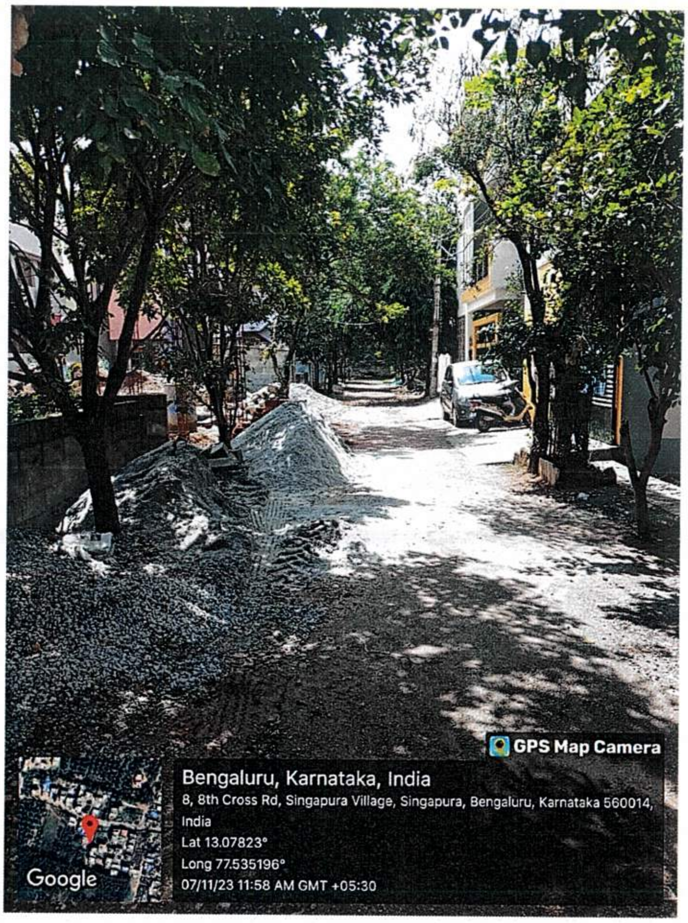
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Bengaluru, Karnataka, India
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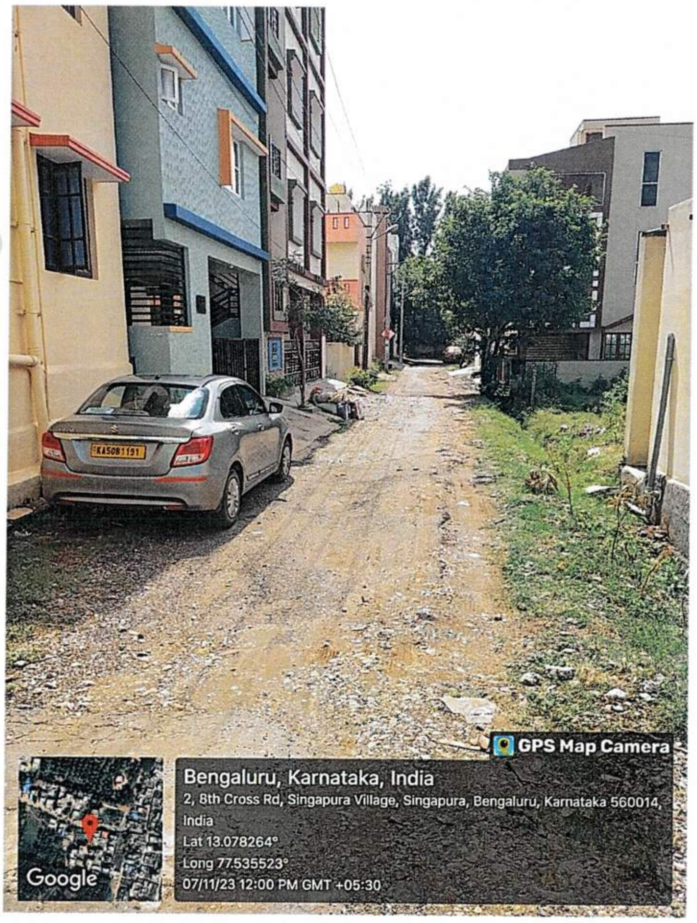
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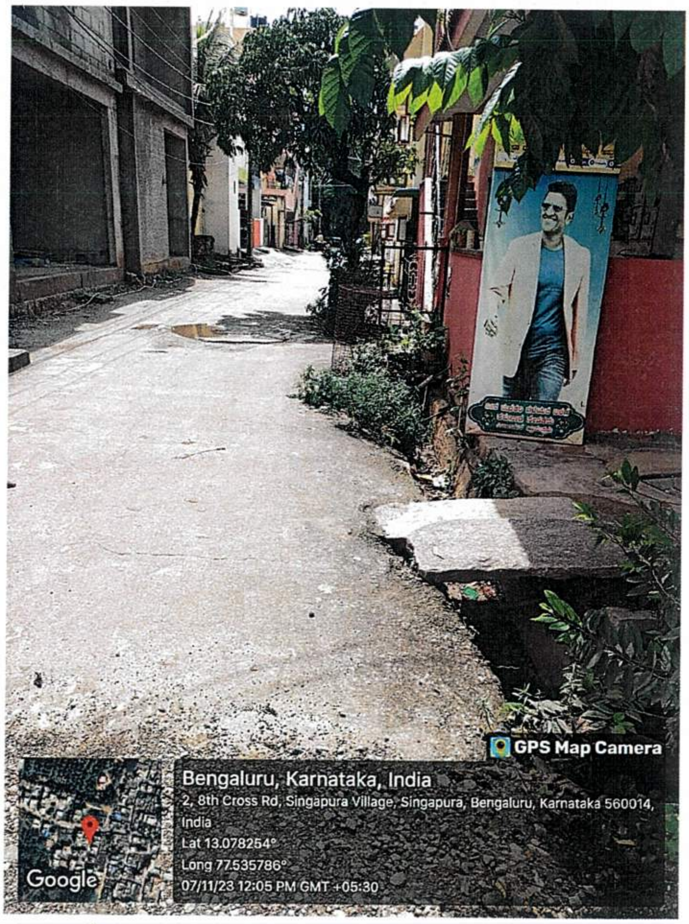
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Bengaluru, Karnataka, India
2, 8th Cross Rd, Singapura Village, Singapura, Bengaluru, Karnataka 560014, India
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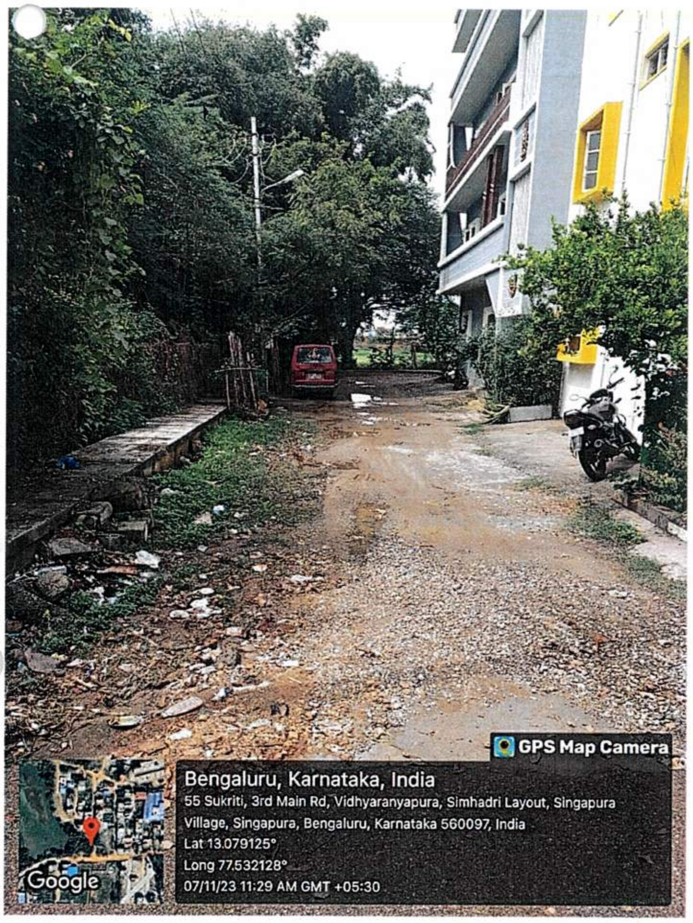
GPS Map Camera
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Bengaluru, Karnataka, India
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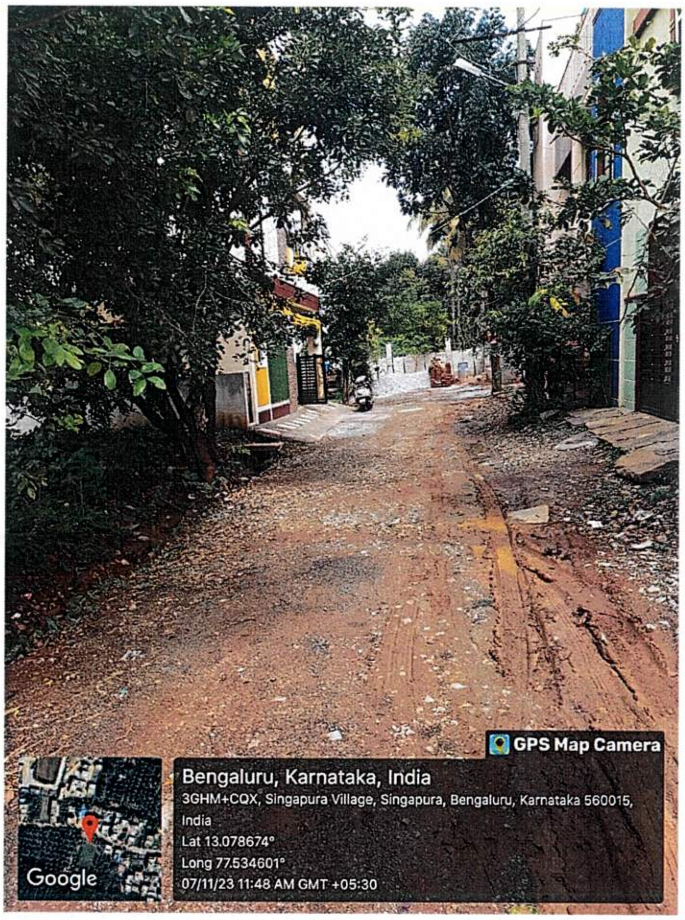
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Bengaluru, Karnataka, India
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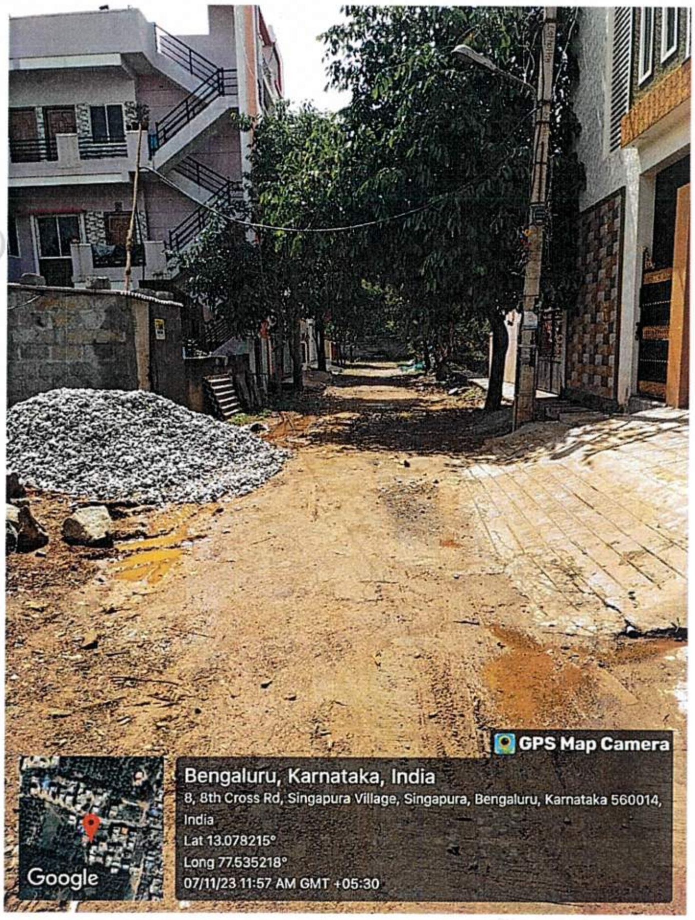
GPS Map Camera
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Bengaluru, Karnataka, India
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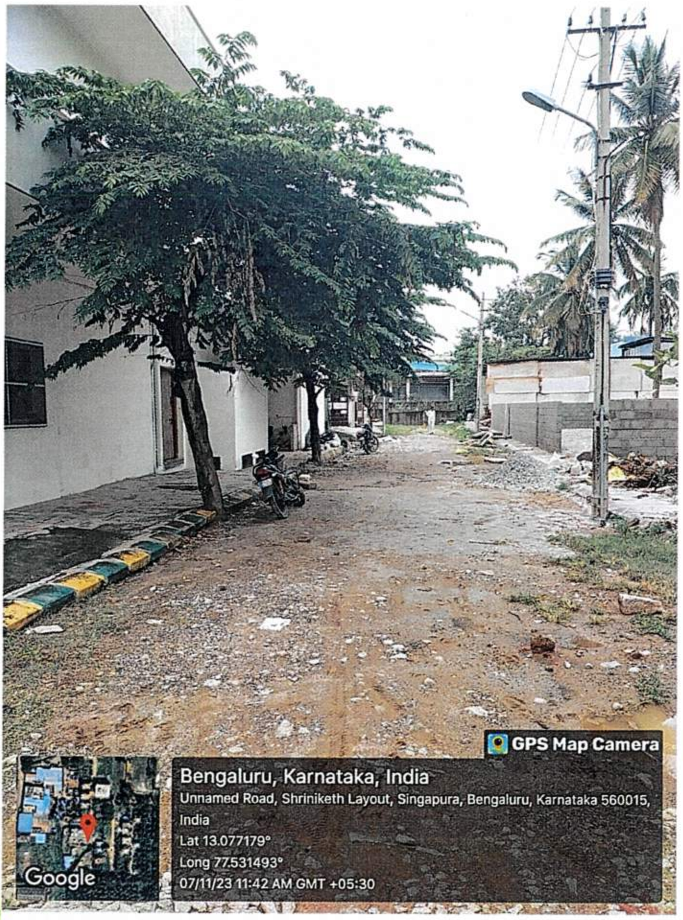
GPS Map Camera
Google

Bengaluru, Karnataka, India
Unnamed Road, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560015, India
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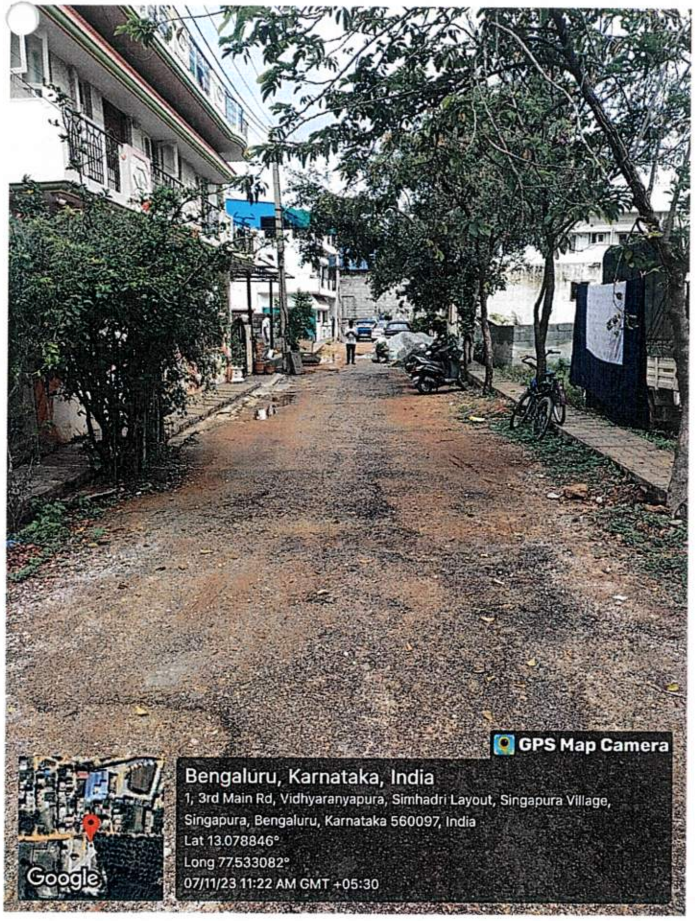
GPS Map Camera
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1, 3rd Main Rd, Vidhyaranyapura, Simhadri Layout, Singapura Village, Singapura, Bengaluru, Karnataka 560097, India
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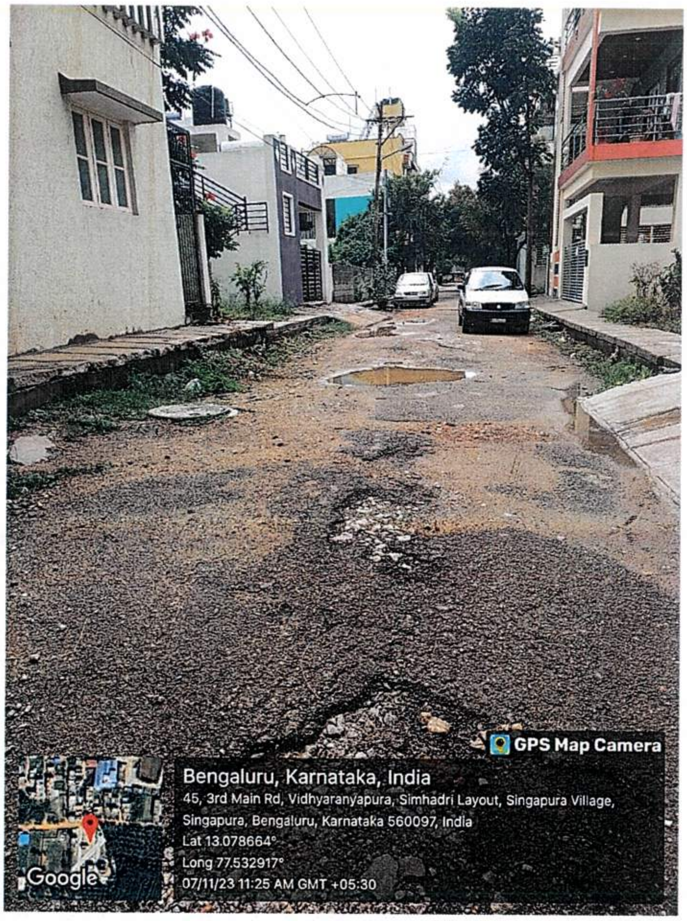
GPS Map Camera
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Bengaluru, Karnataka, India
45, 3rd Main Rd, Vidhyaranyapura, Simhadri Layout, Singapura Village, Singapura, Bengaluru, Karnataka 560097, India
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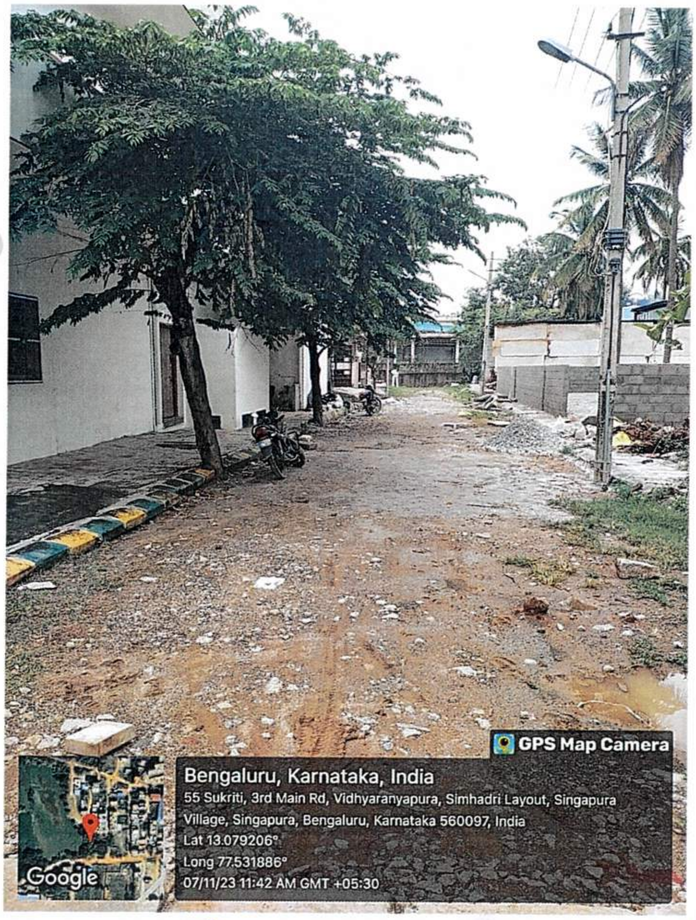
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Bengaluru, Karnataka, India
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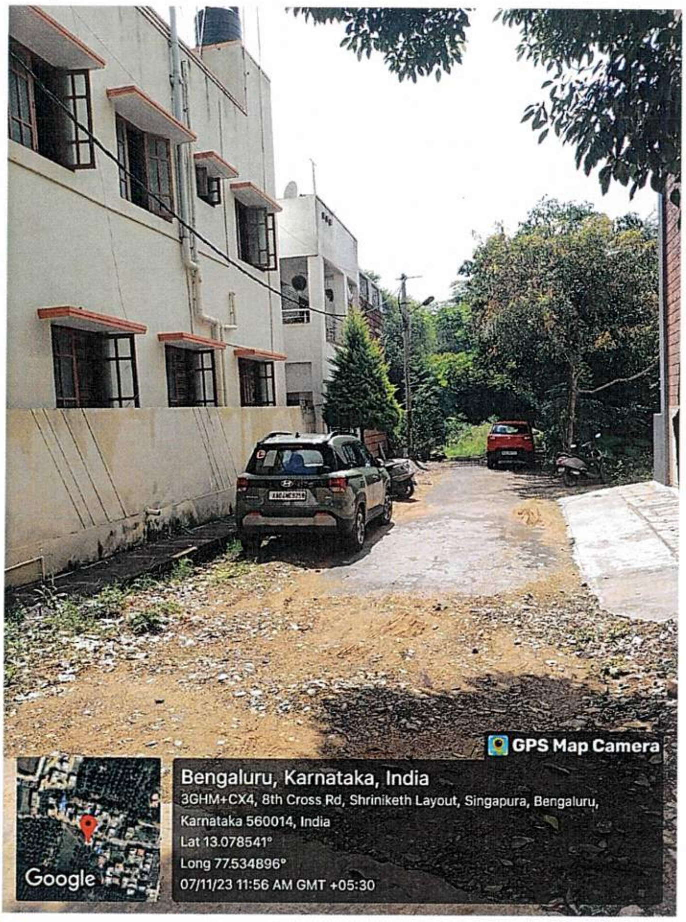
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Bengaluru, Karnataka, India
3GHM+CX4, 8th Cross Rd, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560014, India
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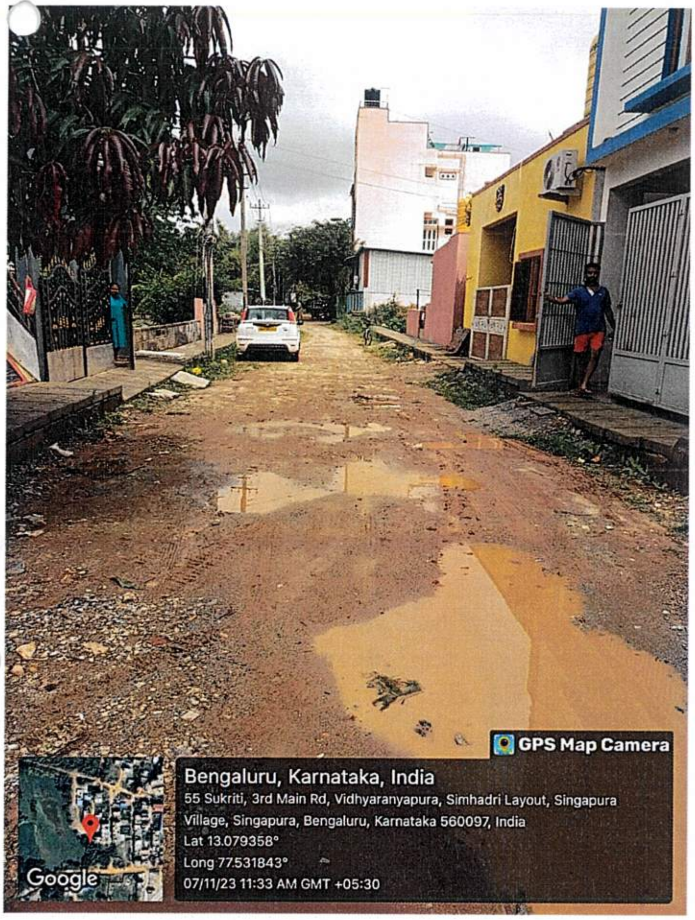
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Bengaluru, Karnataka, India
55 Sukriti, 3rd Main Rd, Vidhyaranyapura, Simhadri Layout, Singapura Village, Singapura, Bengaluru, Karnataka 560097, India
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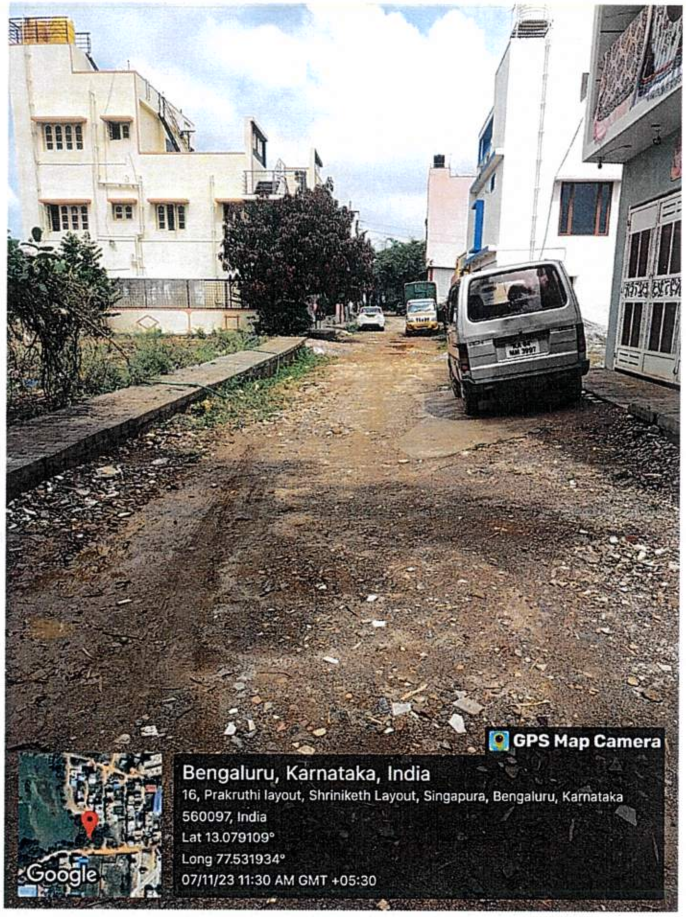
GPS Map Camera
Bengaluru, Karnataka, India
16, Prakruthi layout, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560097, India
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Long 77.531934°
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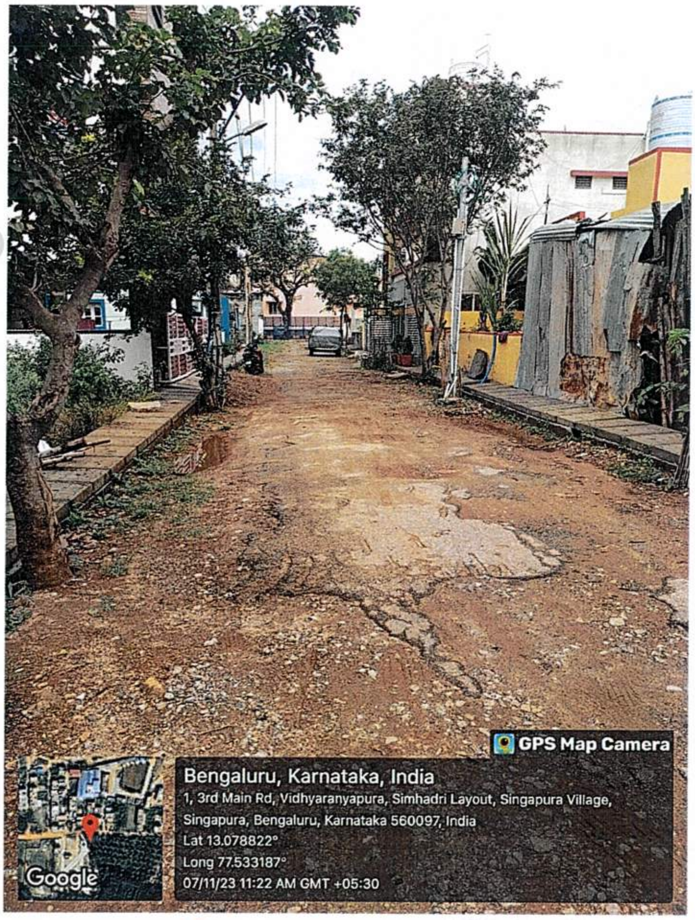
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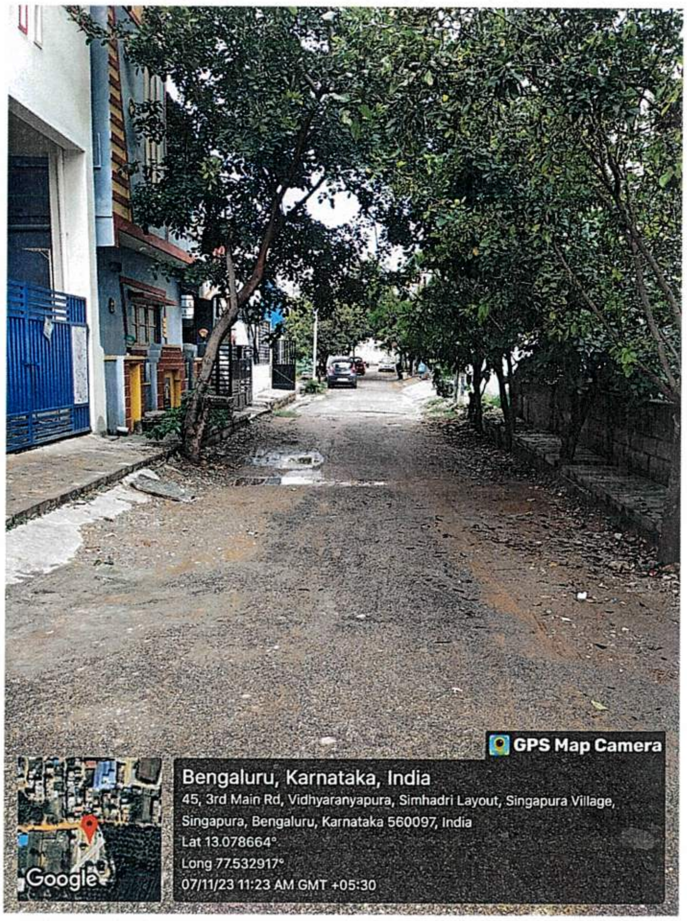
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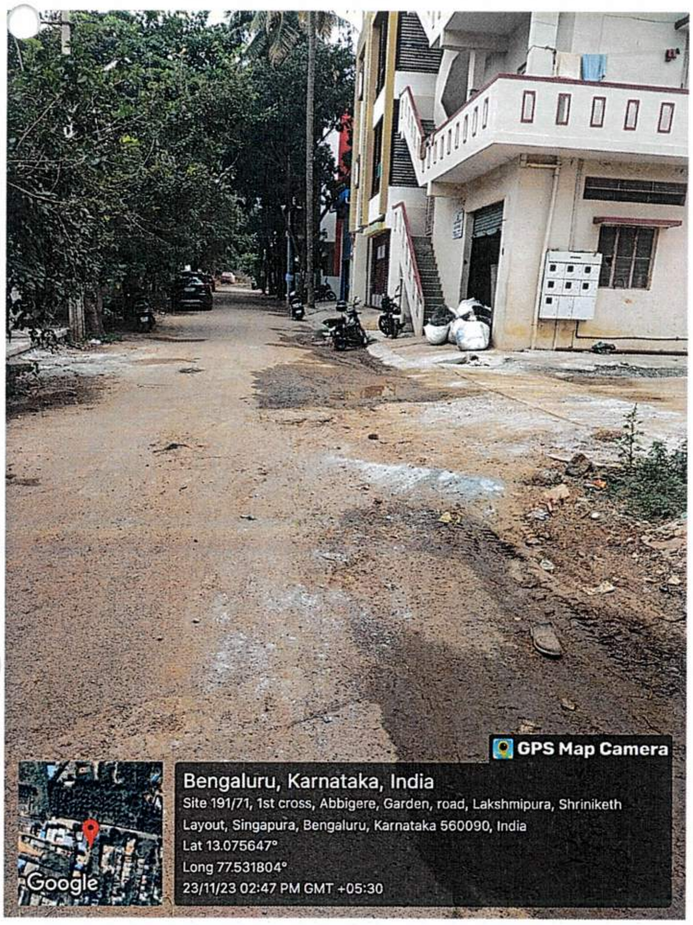
AEE (MRP) SD


GPS Map Camera
Google
Bengaluru, Karnataka, India
Site 191/71, 1st cross, Abbigere, Garden, road, Lakshmipura, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560090, India
Lat 13.075647°
Long 77.531804°
23/11/23 02:47 PM GMT +05:30

GPS Map Camera
Google
Bengaluru, Karnataka, India
35, 4th Cross Road, Balan Dairy Road, Muniswamappa Layout, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560097, India
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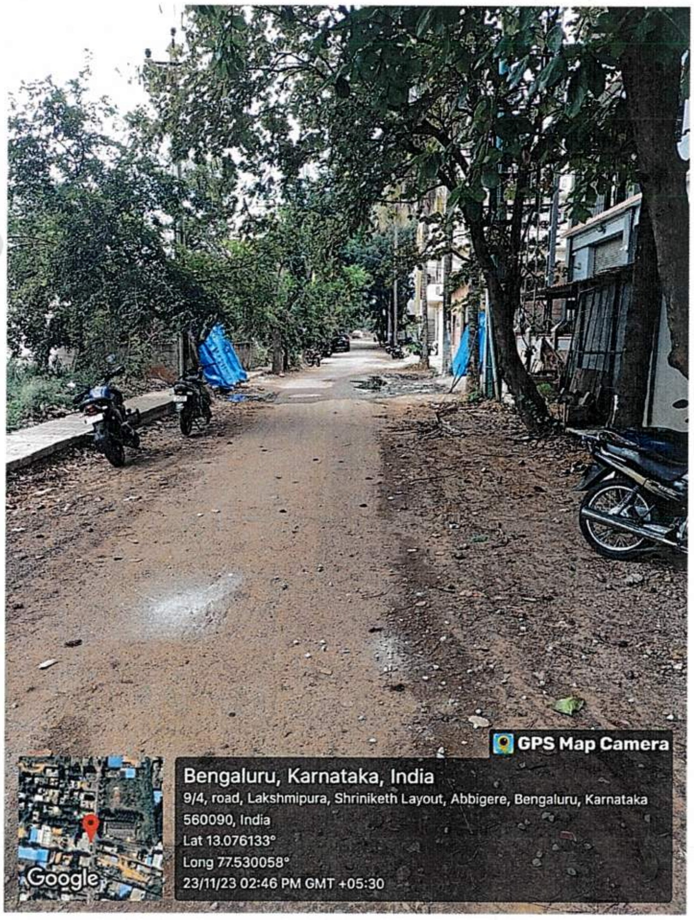
23/11/23 02:47 PM GMT +05:30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Long 77.530058°
23/11/23 02:46 PM GMT +05:30

GPS Map Camera
Google
Bengaluru, Karnataka, India
9/4, road, Lakshmipura, Shriniketh Layout, Abbigere, Bengaluru, Karnataka 560090, India
Lat 13.076133°
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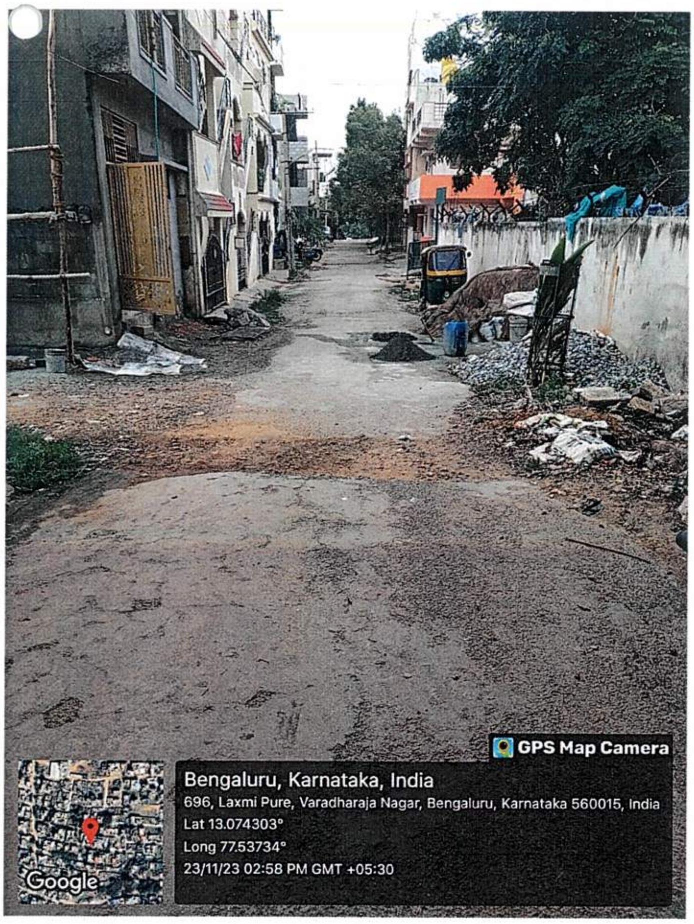
SL

AEE (VRP) SD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Google

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696, Laxmi Pure, Varadharaja Nagar, Bengaluru, Karnataka 560015, India
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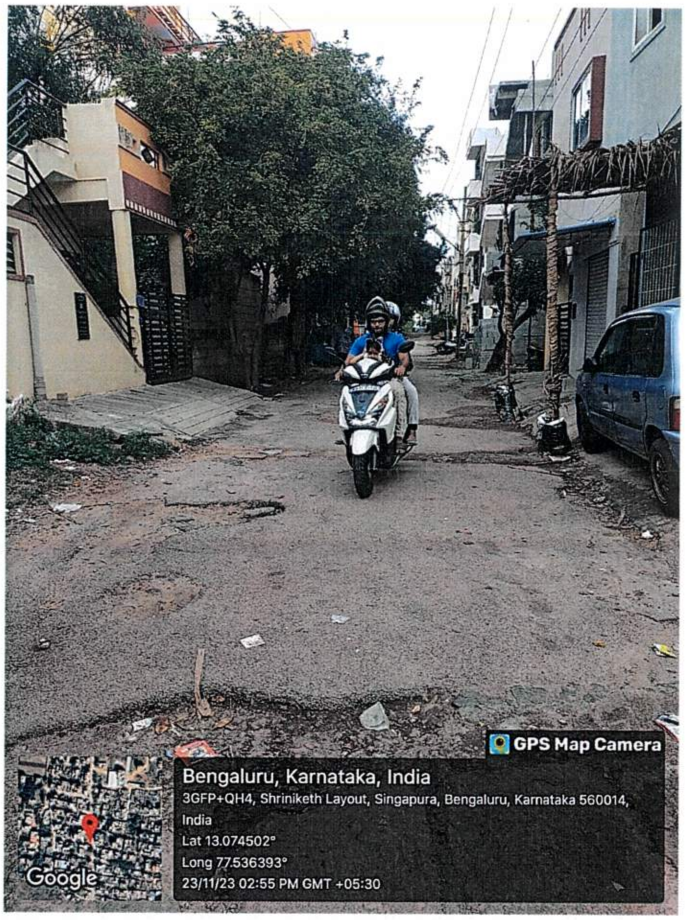
GPS Map Camera
Google

Bengaluru, Karnataka, India
3GFP+QH4, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560014, India
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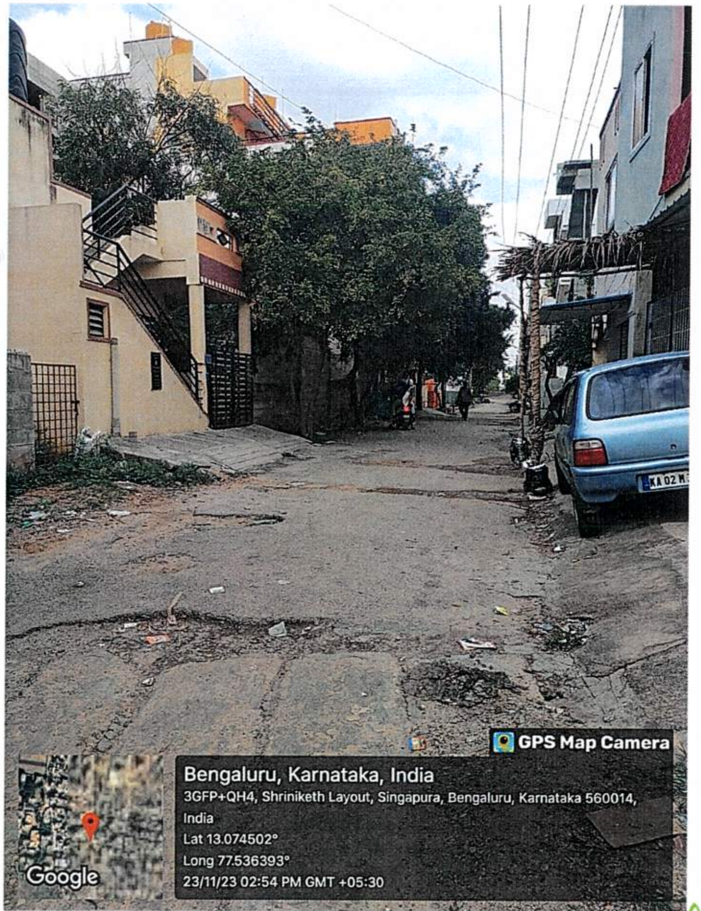
23/11/23 02:55 PM GMT +05:30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Bengaluru, Karnataka, India
3GFP+QH4, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560014, India
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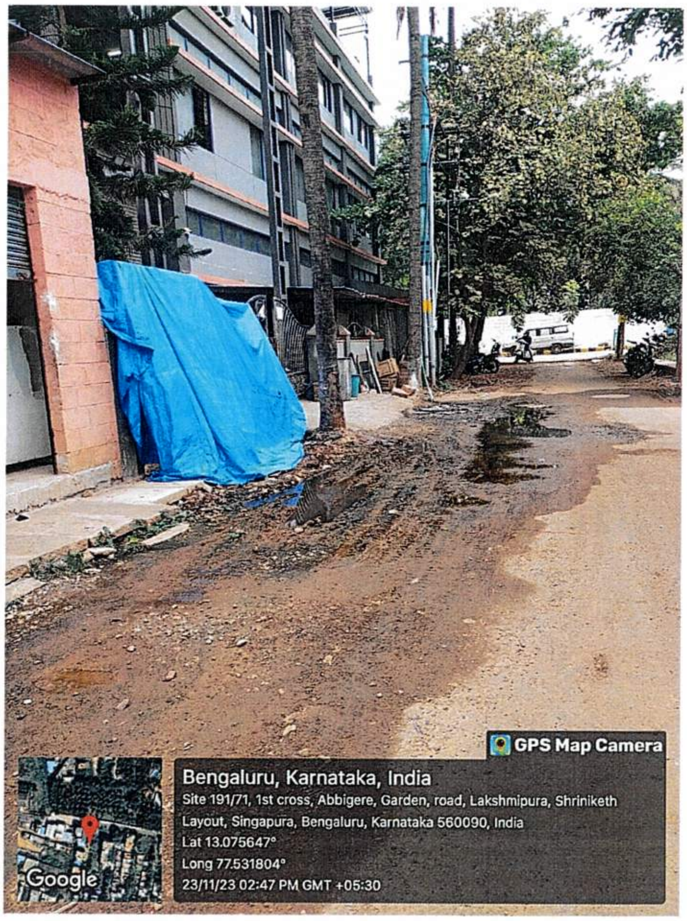
GPS Map Camera
Google

Bengaluru, Karnataka, India
Site 191/71, 1st cross, Abbigere, Garden, road, Lakshmipura, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560090, India
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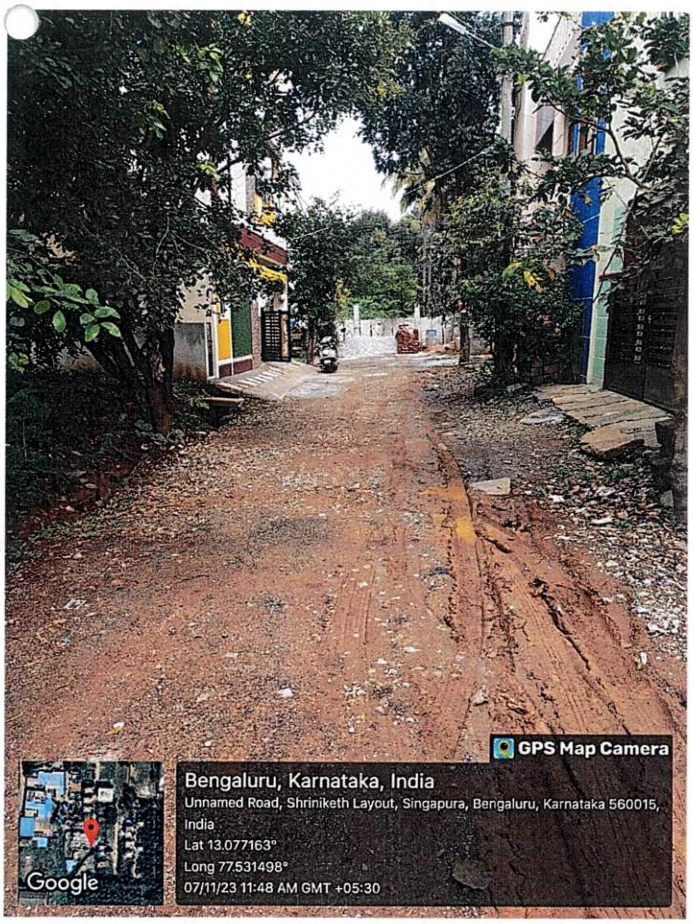
Long 77.531804°
23/11/23 02:47 PM GMT +05:30

ABE (VRP) SD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Google
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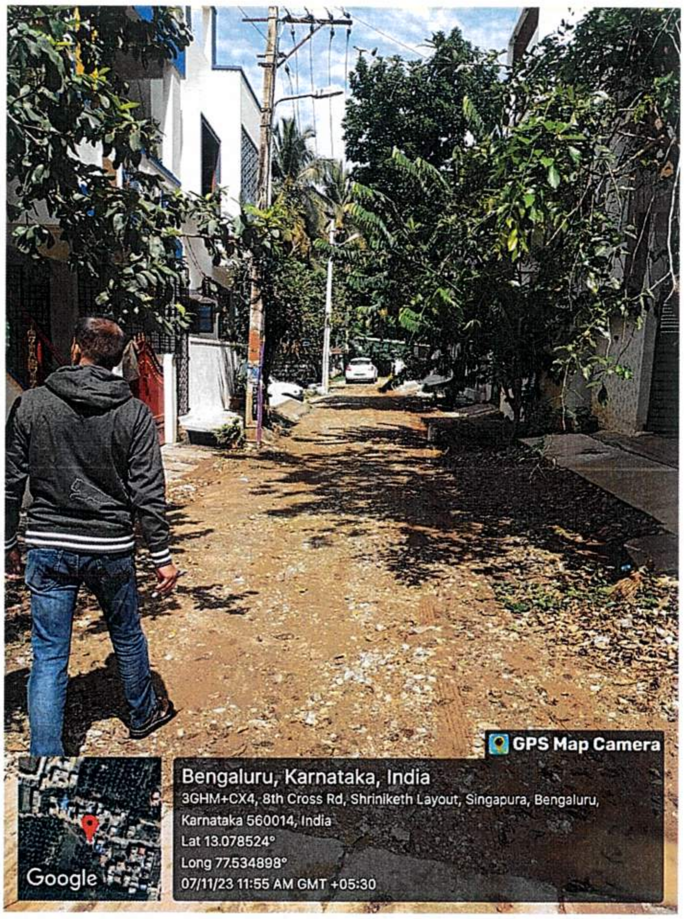
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3GHM+CX4, 8th Cross Rd, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560014, India
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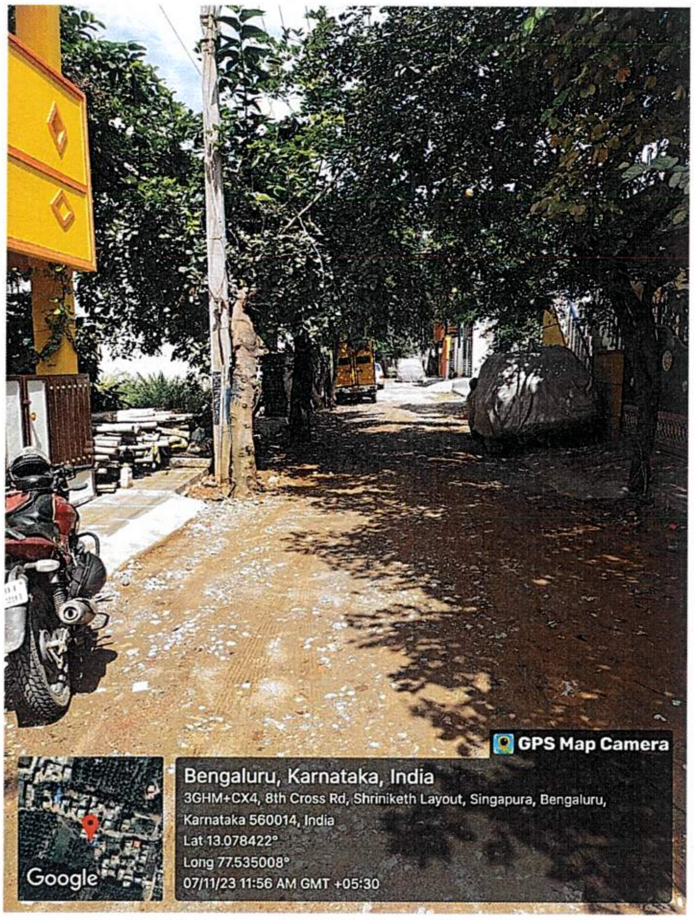
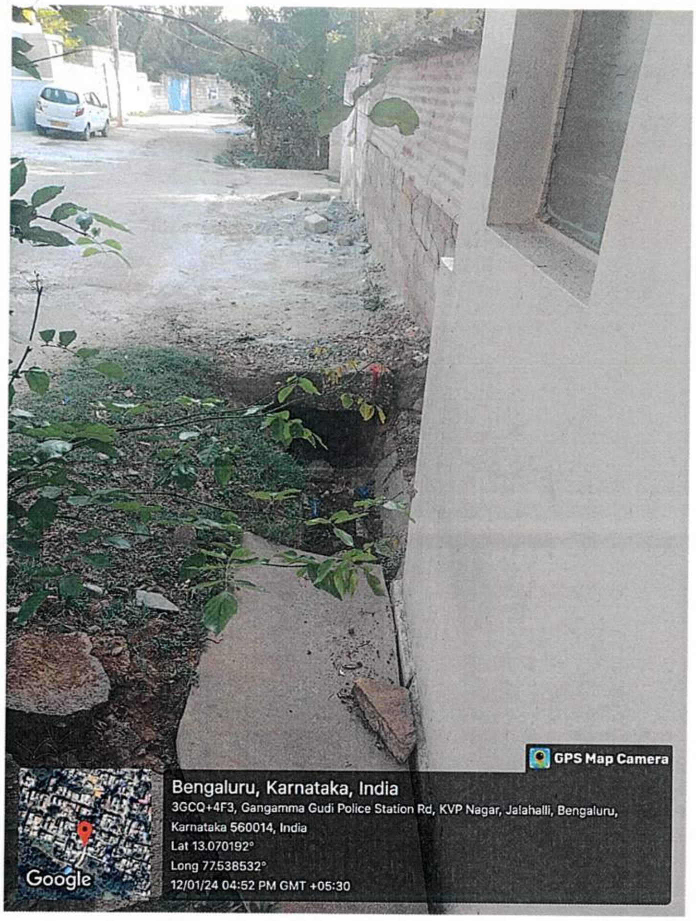
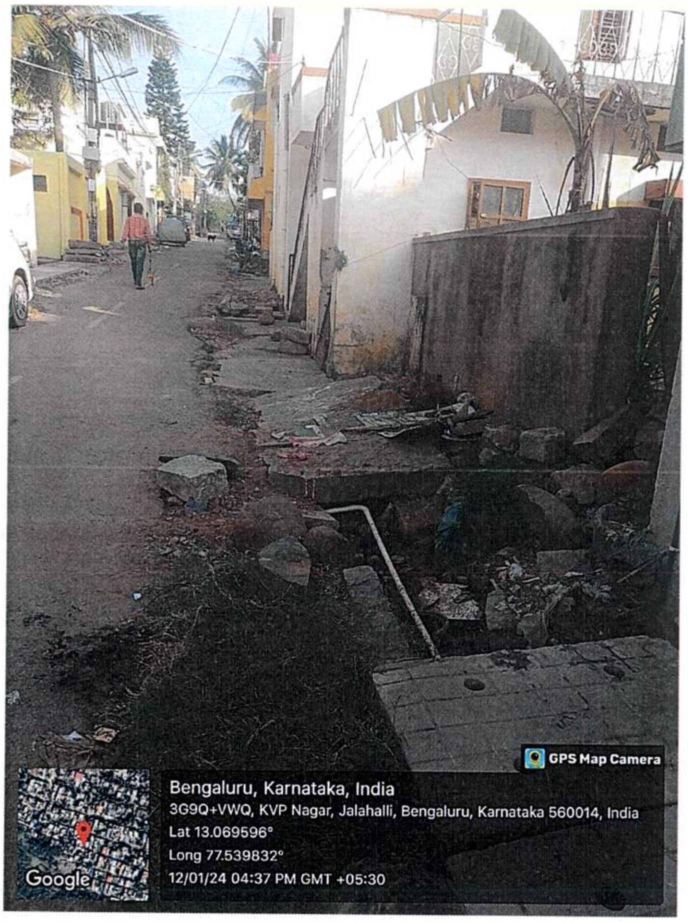

GPS Map Camera
Google
Bengaluru, Karnataka, India
3GHM+CX4, 8th Cross Rd, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560014, India
Lat 13.078422°
Long 77.535008°
07/11/23 11:56 AM GMT +05:30

GPS Map Camera
Google
Bengaluru, Karnataka, India
3GHM+CX4, 8th Cross Rd, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560014, India
Lat 13.078422°
Long 77.535008°
07/11/23 11:56 AM GMT +05:30

AEE (VRP) SD


GPS Map Camera
Google

Bengaluru, Karnataka, India
3GCQ+4F3, Gangamma Gudi Police Station Rd, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
Lat 13.070192°
Long 77.538532°
12/01/24 04:52 PM GMT +05:30


GPS Map Camera
Google

Bengaluru, Karnataka, India
3G9Q+VWQ, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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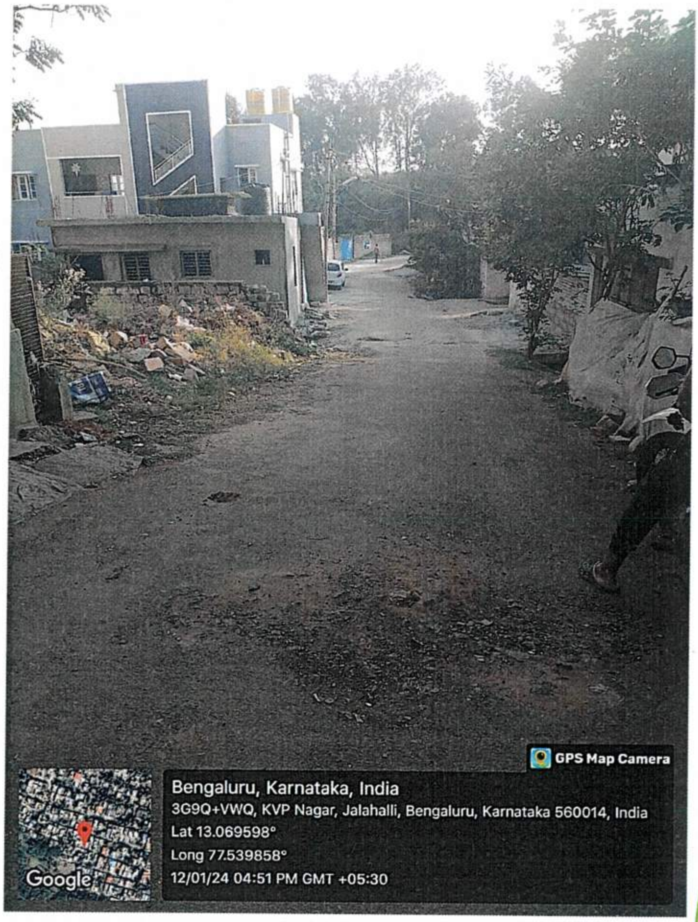
12/01/24 04:37 PM GMT +05:30


GPS Map Camera
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Bengaluru, Karnataka, India
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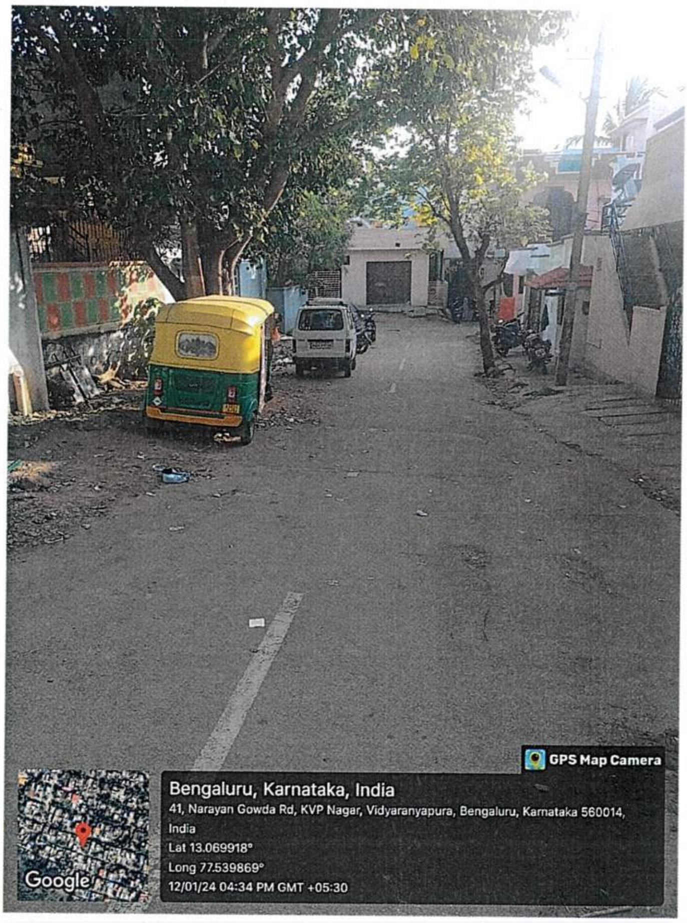
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Google

Bengaluru, Karnataka, India
41, Narayan Gowda Rd, KVP Nagar, Vidyaranyapura, Bengaluru, Karnataka 560014, India
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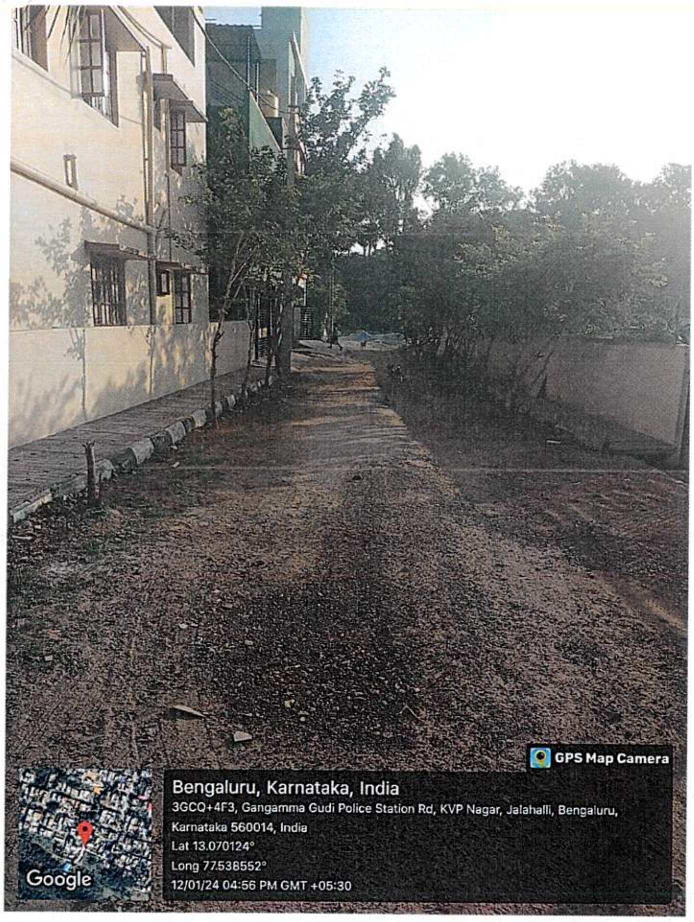
AEE (VRP) SD


GPS Map Camera
Google

Bengaluru, Karnataka, India
3GCQ+4F3, Gangamma Gudi Police Station Rd, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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Long 77.538552°
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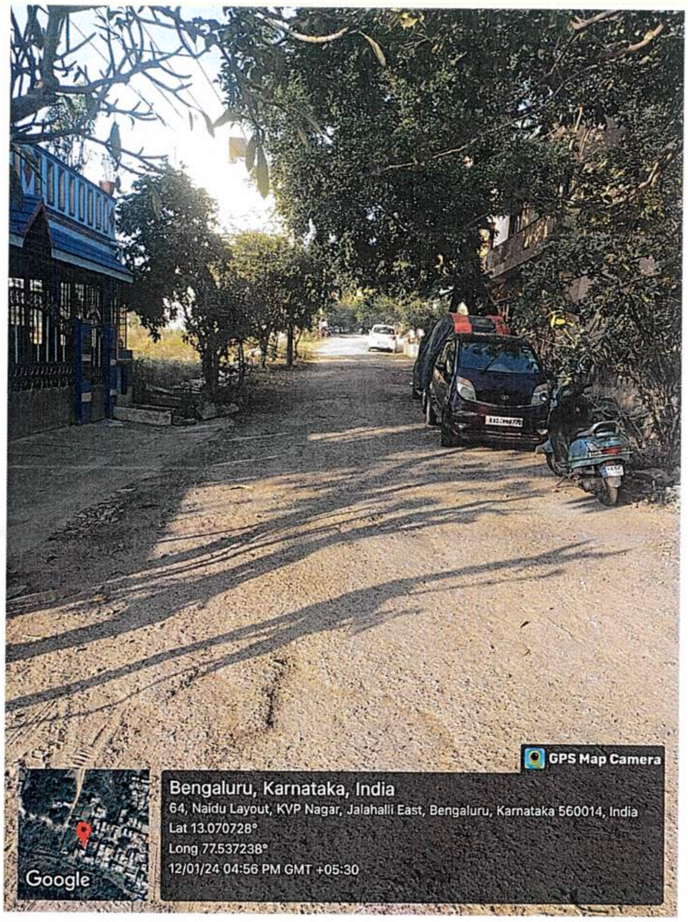
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Bengaluru, Karnataka, India
64, Naidu Layout, KVP Nagar, Jalahalli East, Bengaluru, Karnataka 560014, India
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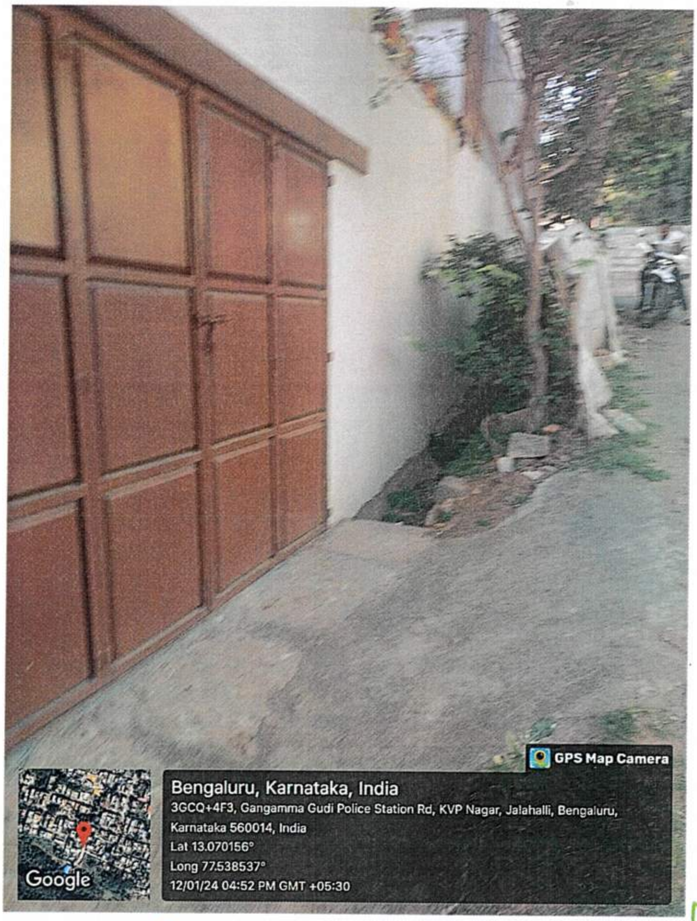
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Bengaluru, Karnataka, India
3GCQ+4F3, Gangamma Gudi Police Station Rd, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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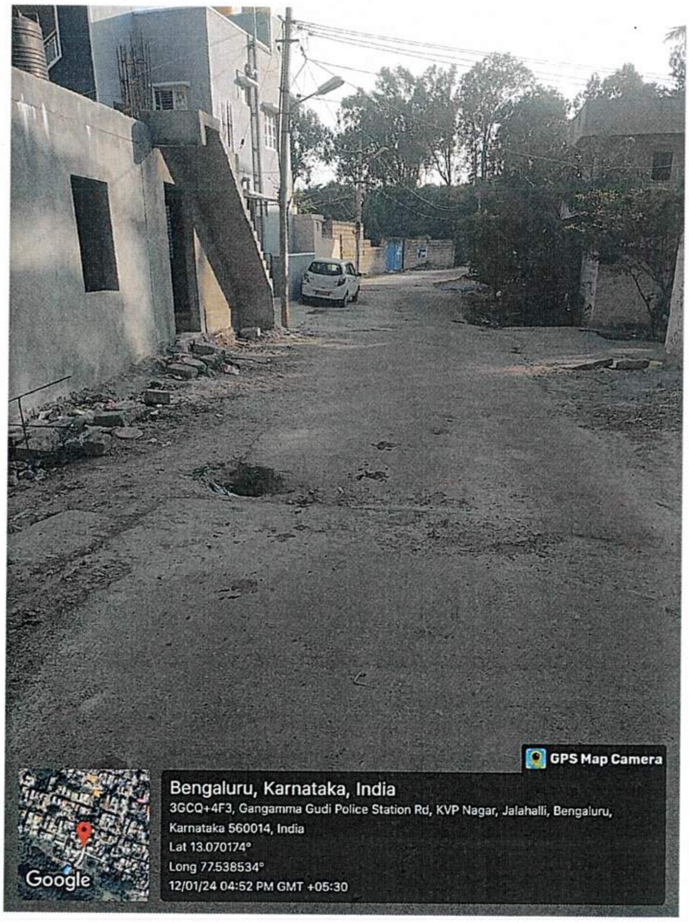
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Bengaluru, Karnataka, India
3GCQ+4F3, Gangamma Gudi Police Station Rd, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
Lat 13.070174°
Long 77.538534°
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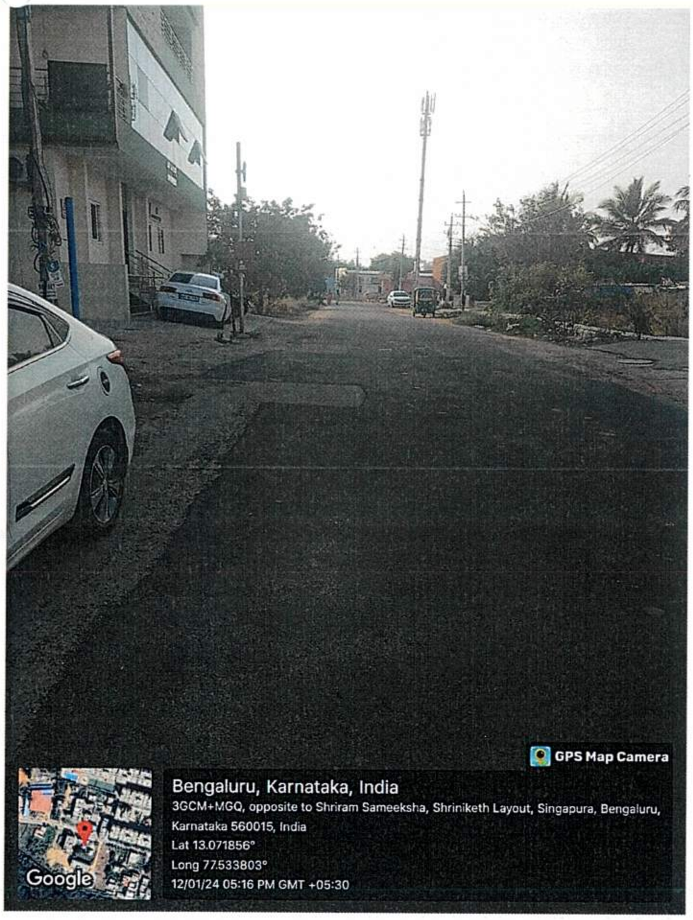
AEE (VRP) SD


GPS Map Camera
Google

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3GCM+MGQ, opposite to Shriram Sameeksha, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560015, India
Lat 13.071856°
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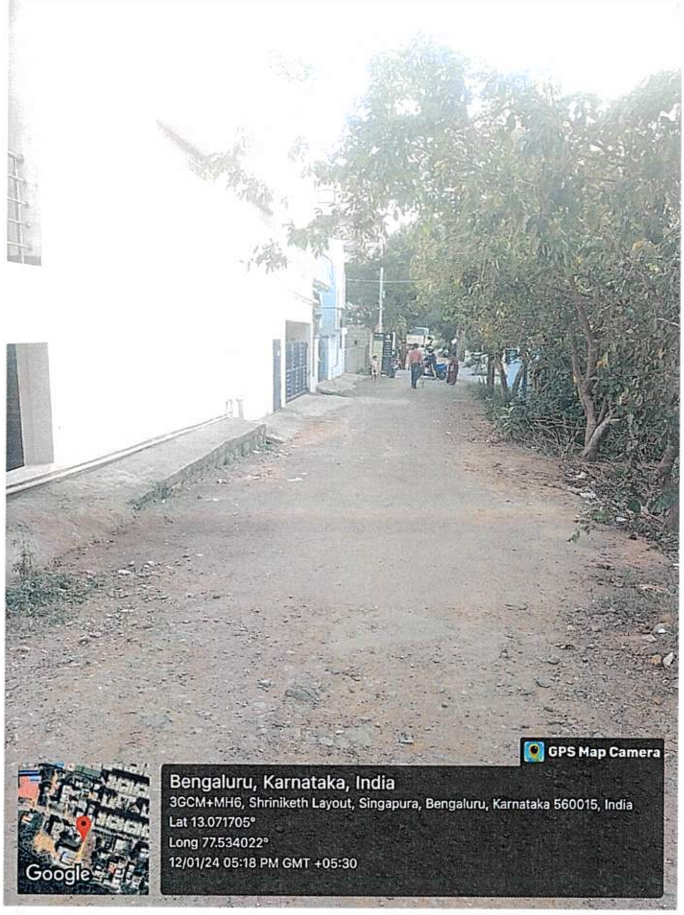
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Bengaluru, Karnataka, India
3GCM+MH6, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560015, India
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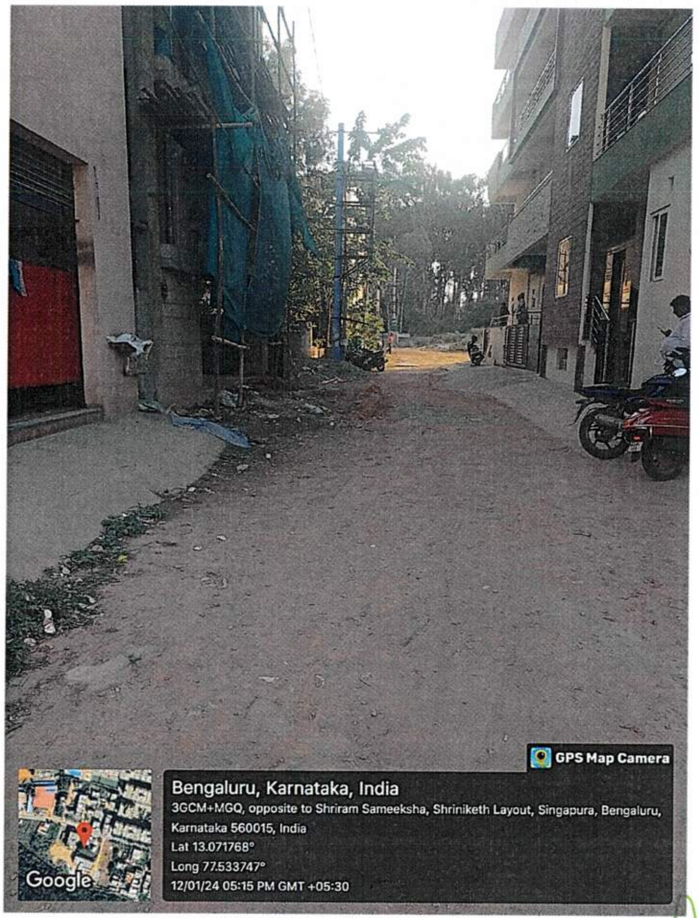
GPS Map Camera
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Bengaluru, Karnataka, India
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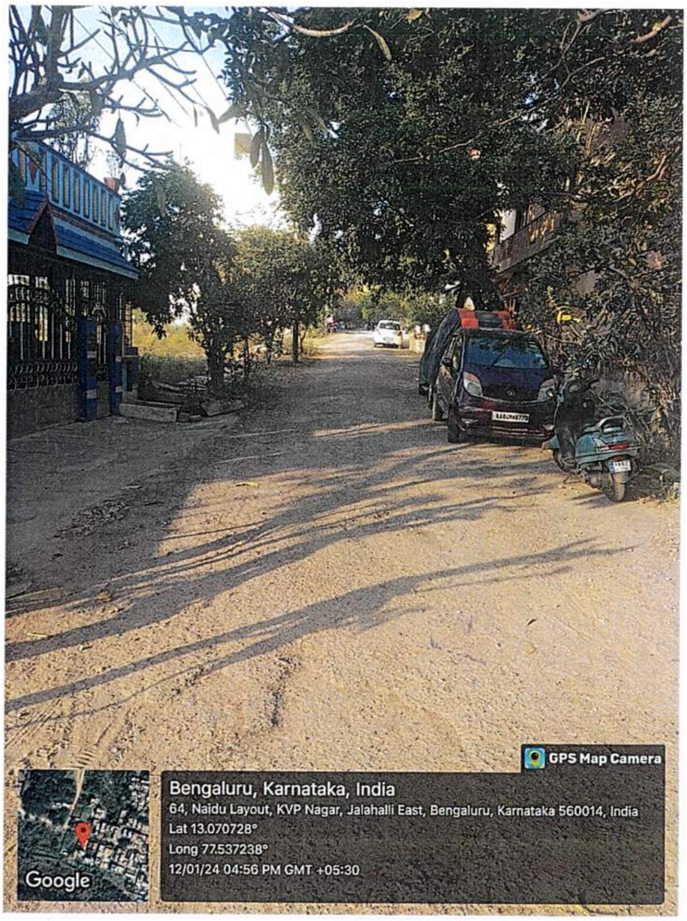
GPS Map Camera
Google

Bengaluru, Karnataka, India
64, Naidu Layout, KVP Nagar, Jalahalli East, Bengaluru, Karnataka 560014, India
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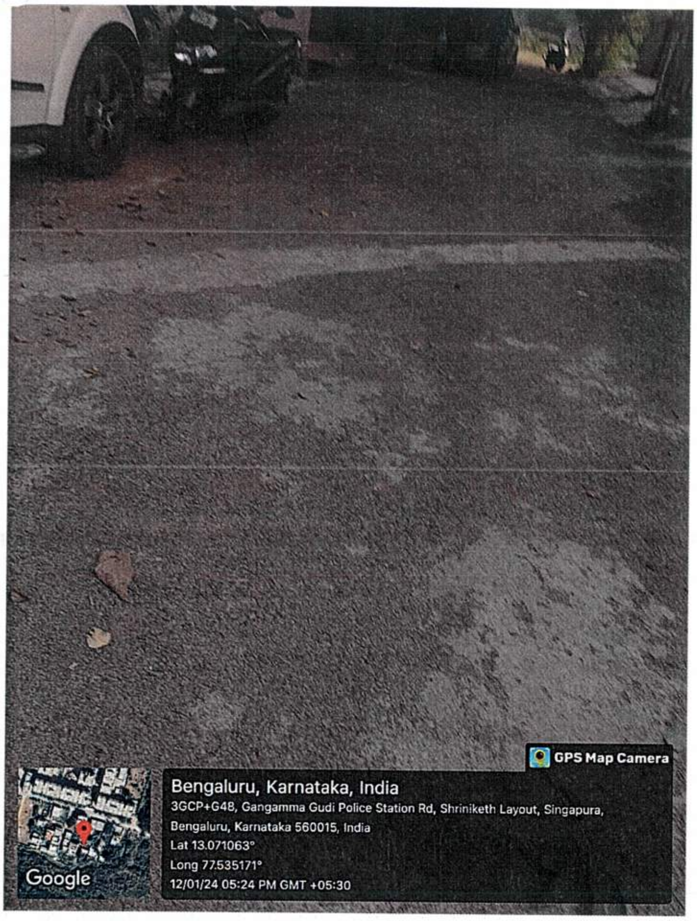
GPS Map Camera
Google
Bengaluru, Karnataka, India
3GCP+G48, Gangamma Gudi Police Station Rd, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560015, India
Lat 13.071063°
Long 77.535171°
12/01/24 05:24 PM GMT +05:30

GPS Map Camera
Google
Bengaluru, Karnataka, India
3GCM+CVF, Gangamma Gudi Police Station Rd, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560015, India
Lat 13.07079°
Long 77.535016°
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GPS Map Camera
Google
Bengaluru, Karnataka, India
3GCP+G2X, opposite Shreeram Sameeksha, Shriniketh Layout, Singapura, Bengaluru, Karnataka 560015, India
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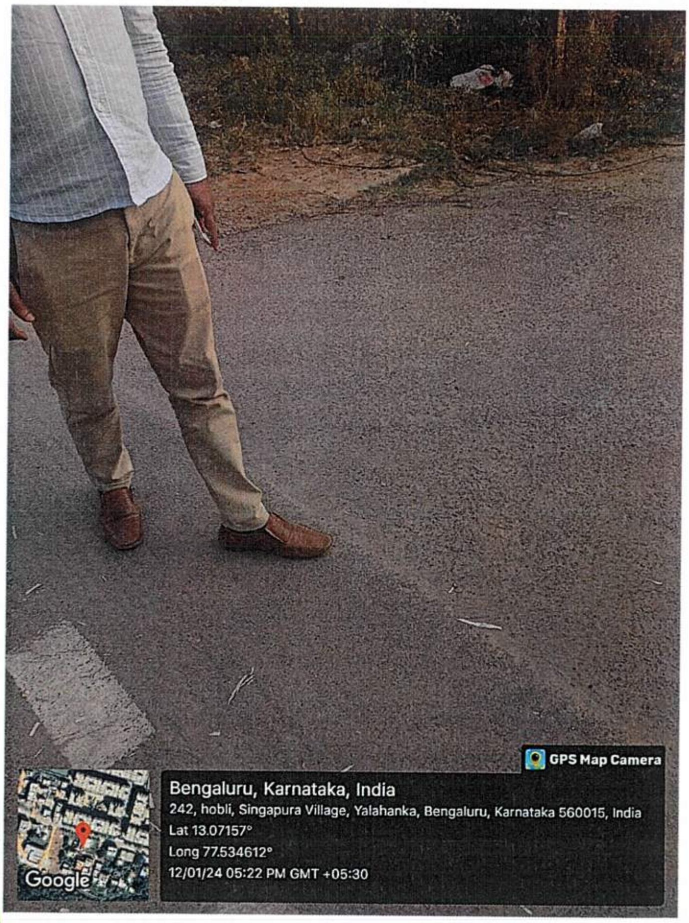
GPS Map Camera
Google
Bengaluru, Karnataka, India
242, hobli, Singapura Village, Yalahanka, Bengaluru, Karnataka 560015, India
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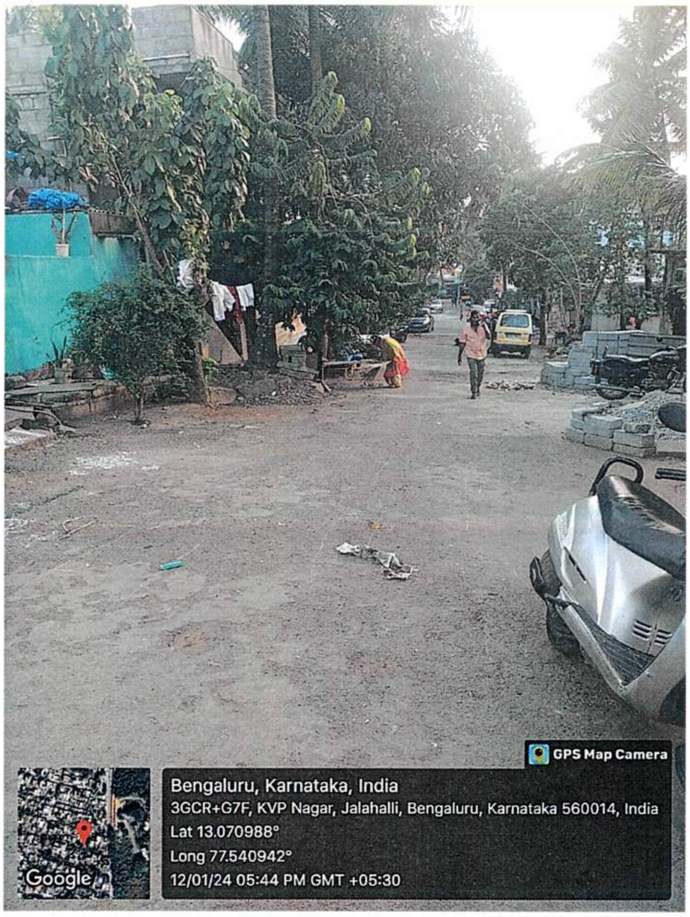
ABE (VRP) SD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Bengaluru, Karnataka, India
3GCR+G7F, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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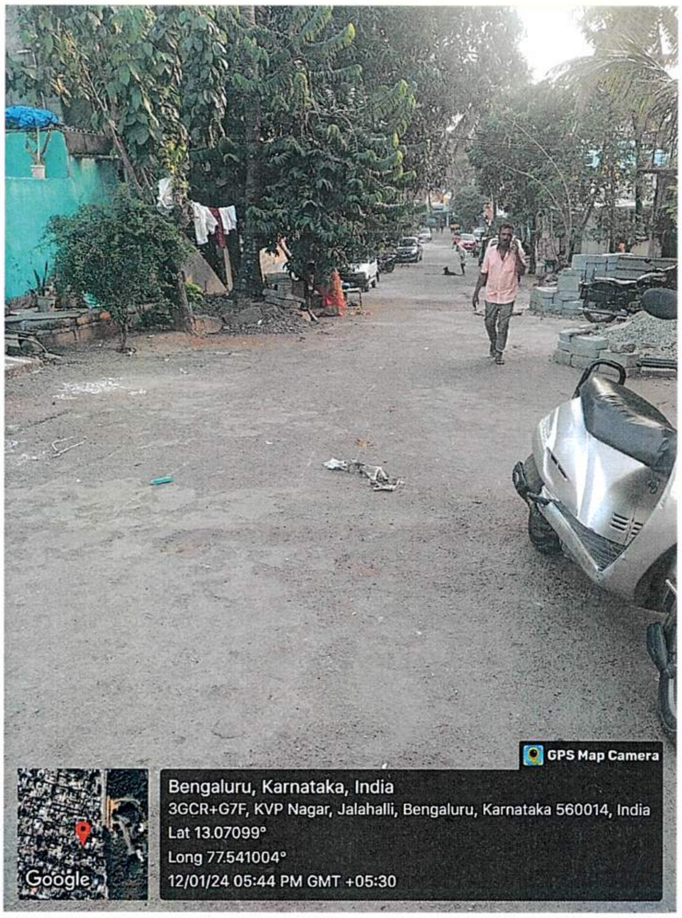
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Bengaluru, Karnataka, India
3GCR+G7F, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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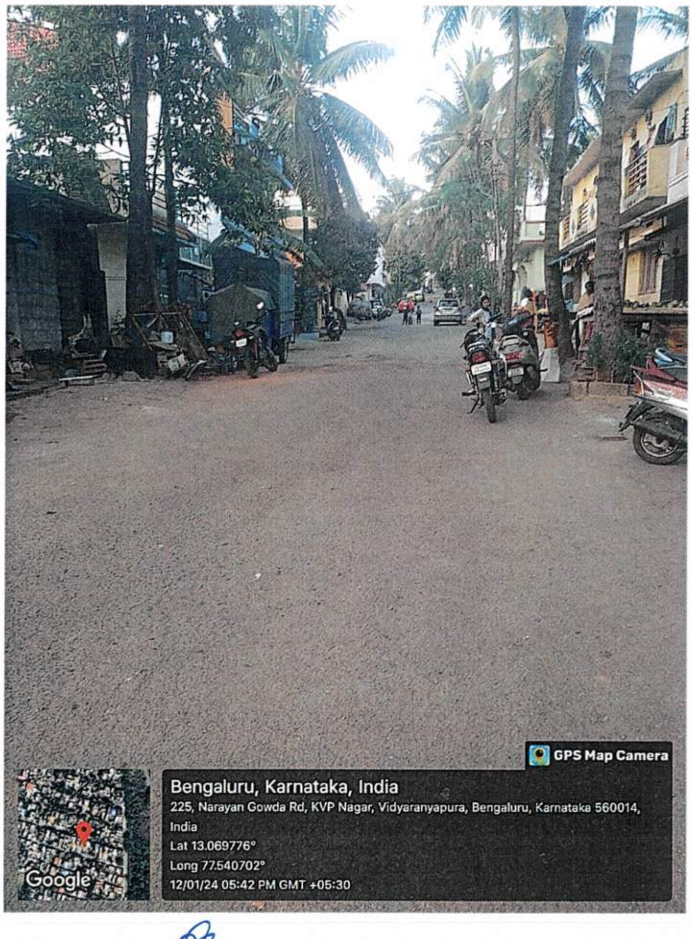
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Bengaluru, Karnataka, India
225, Narayan Gowda Rd, KVP Nagar, Vidyaranyapura, Bengaluru, Karnataka 560014, India
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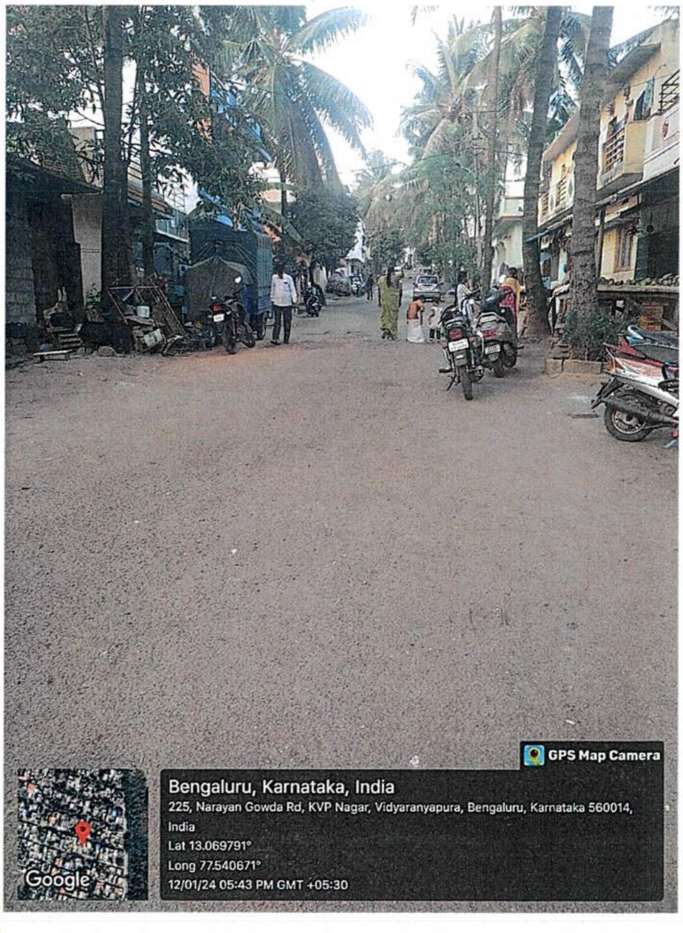
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Bengaluru, Karnataka, India
225, Narayan Gowda Rd, KVP Nagar, Vidyaranyapura, Bengaluru, Karnataka 560014, India
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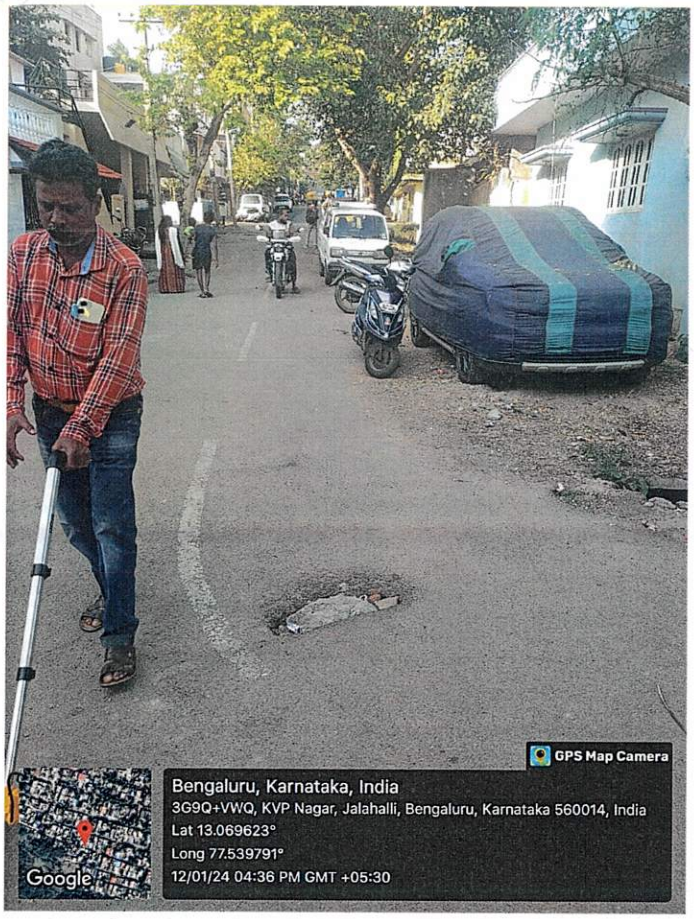
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3G9Q+VWQ, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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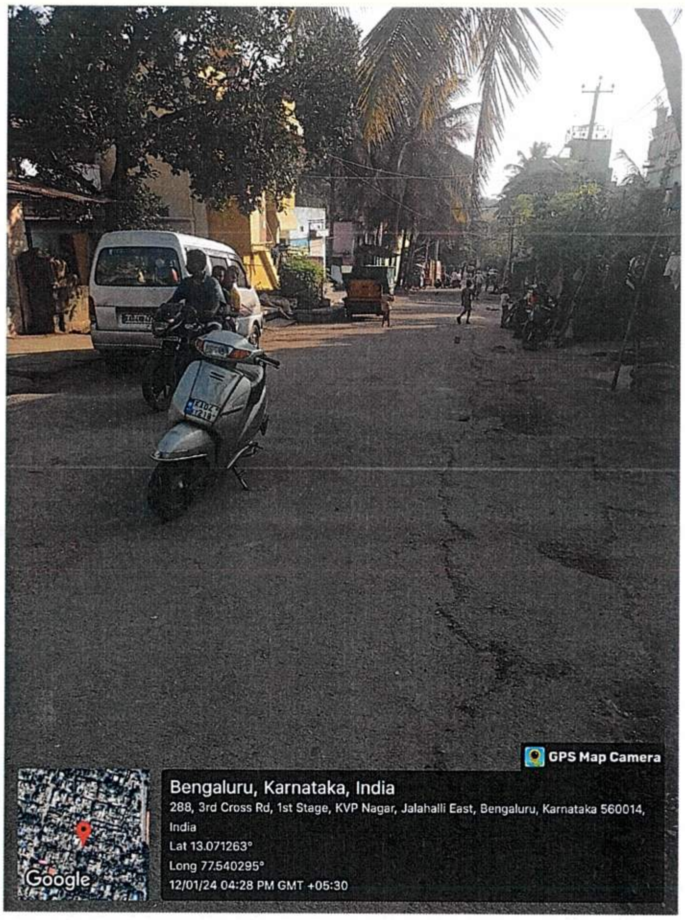
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Bengaluru, Karnataka, India
288, 3rd Cross Rd, 1st Stage, KVP Nagar, Jalahalli East, Bengaluru, Karnataka 560014, India
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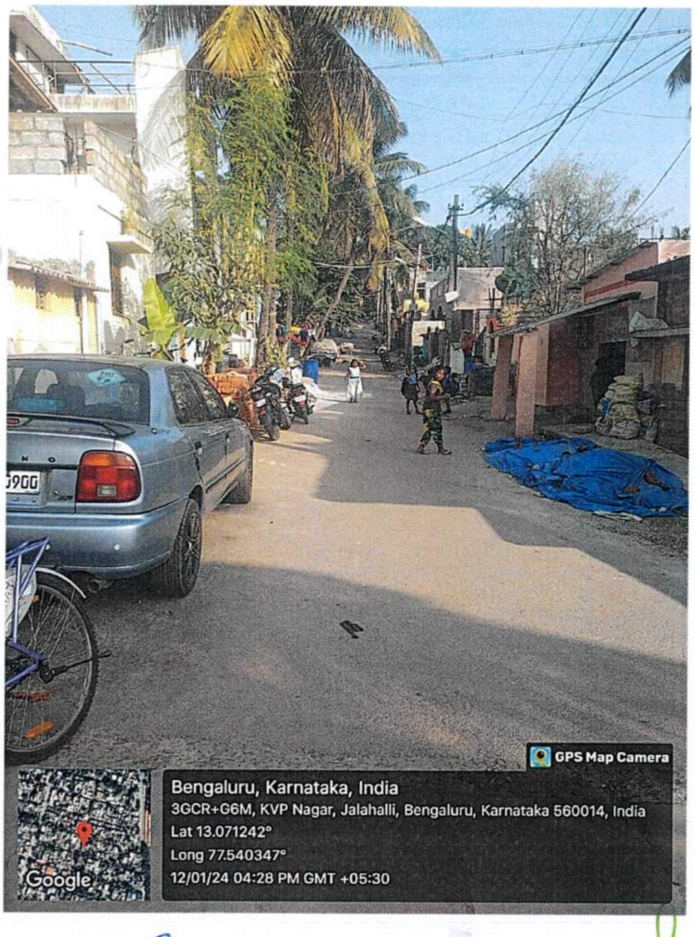
GPS Map Camera

Bengaluru, Karnataka, India
3GCR+G6M, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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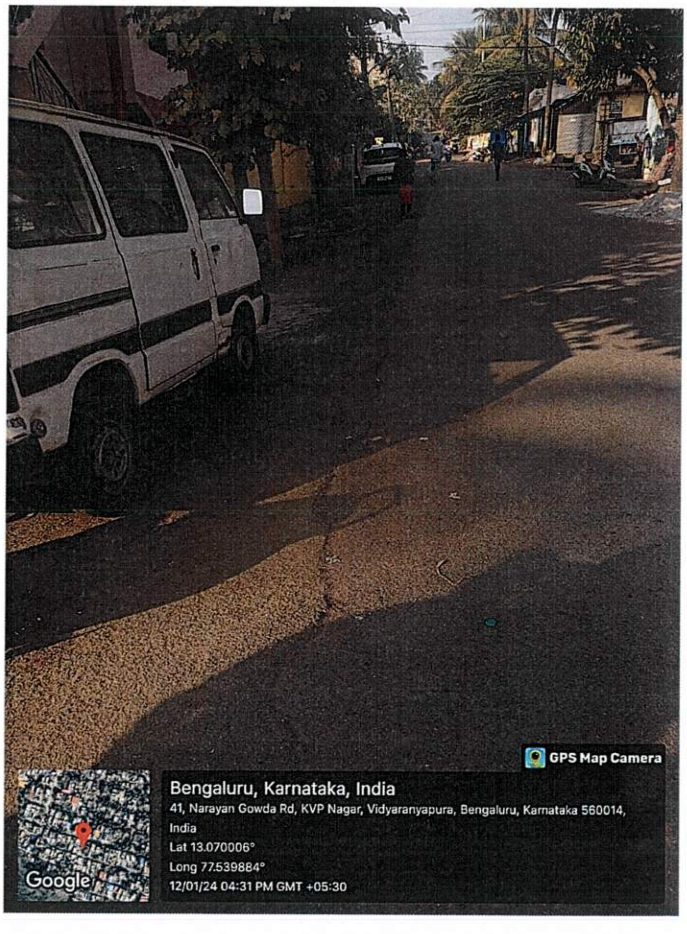
GPS Map Camera

Bengaluru, Karnataka, India
41, Narayan Gowda Rd, KVP Nagar, Vidyaranyapura, Bengaluru, Karnataka 560014, India
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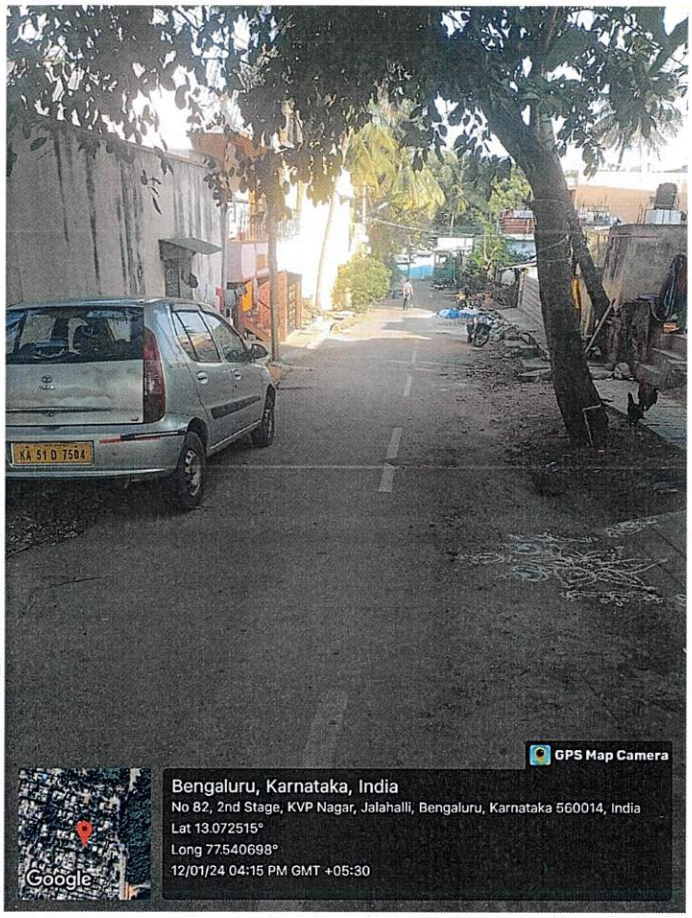
AEE (VRP) SD


KA 51 D 7504
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Google
Bengaluru, Karnataka, India
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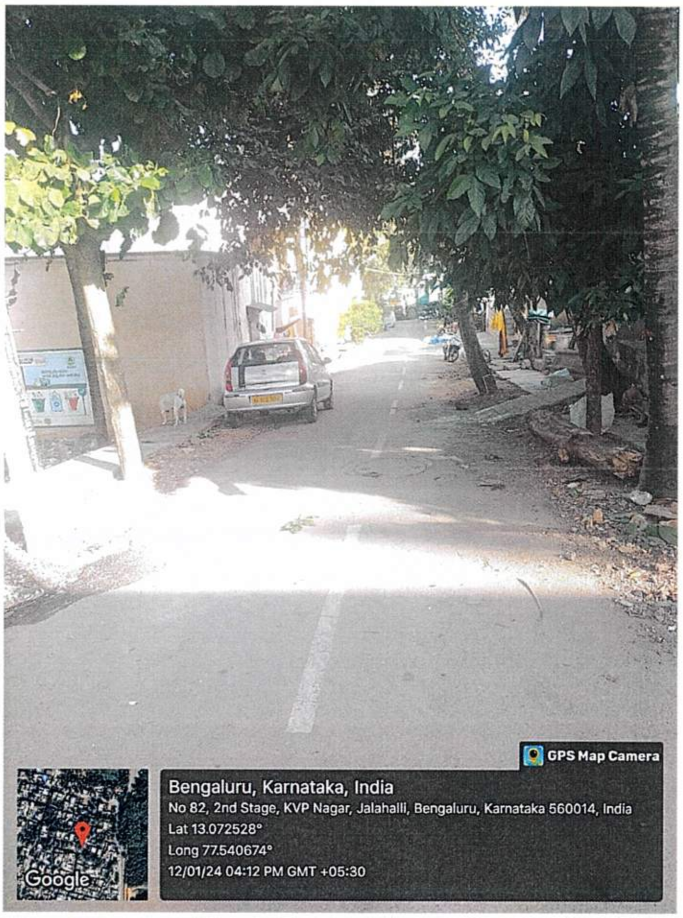
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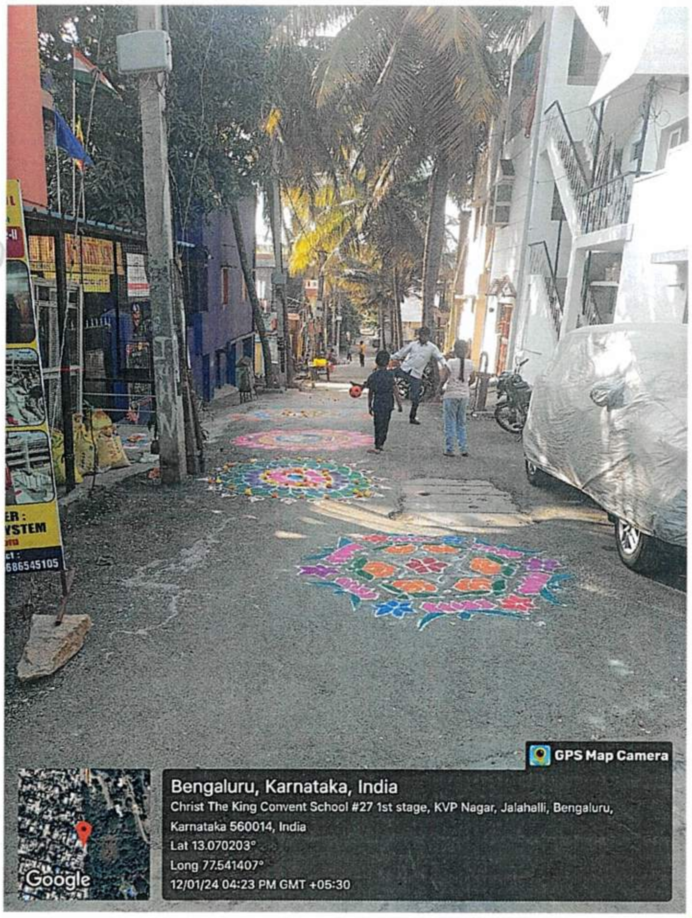
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Bengaluru, Karnataka, India
Christ The King Convent School #27 1st stage, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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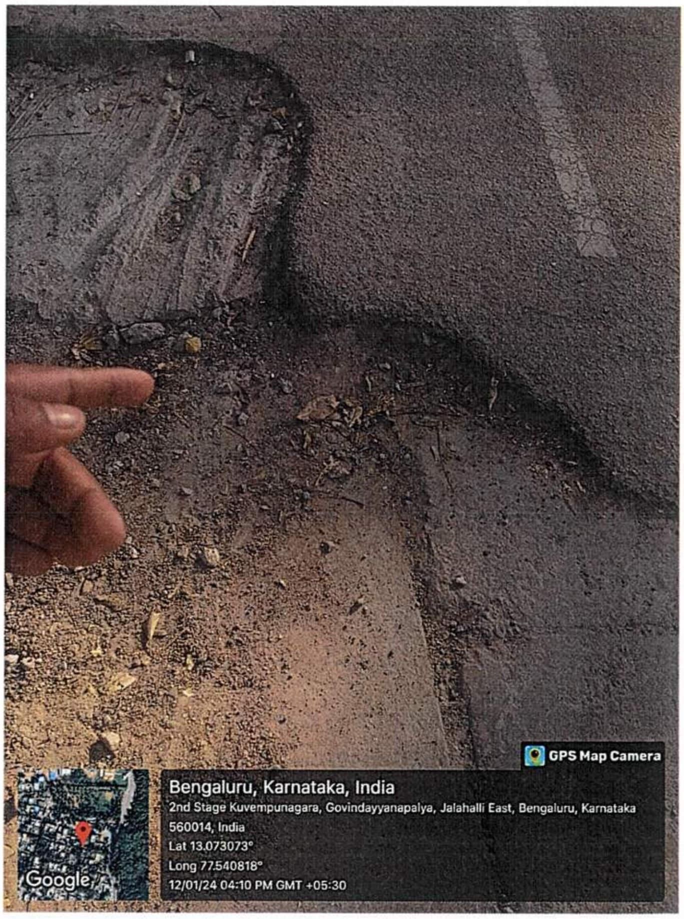
GPS Map Camera
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Bengaluru, Karnataka, India
2nd Stage Kuvempunagara, Govindayyanapalya, Jalahalli East, Bengaluru, Karnataka 560014, India
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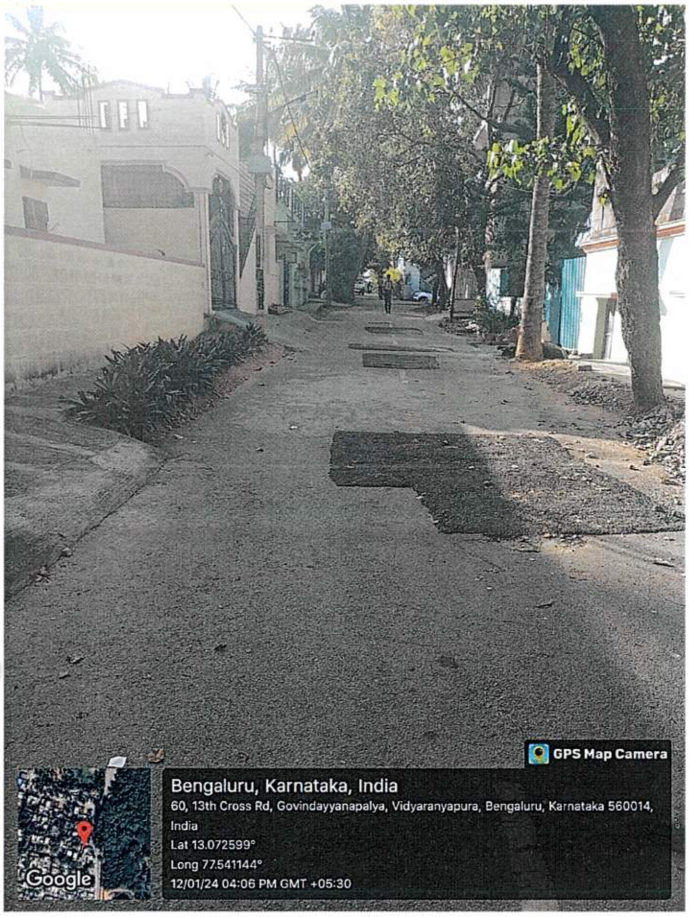
ABE (VRP) SD



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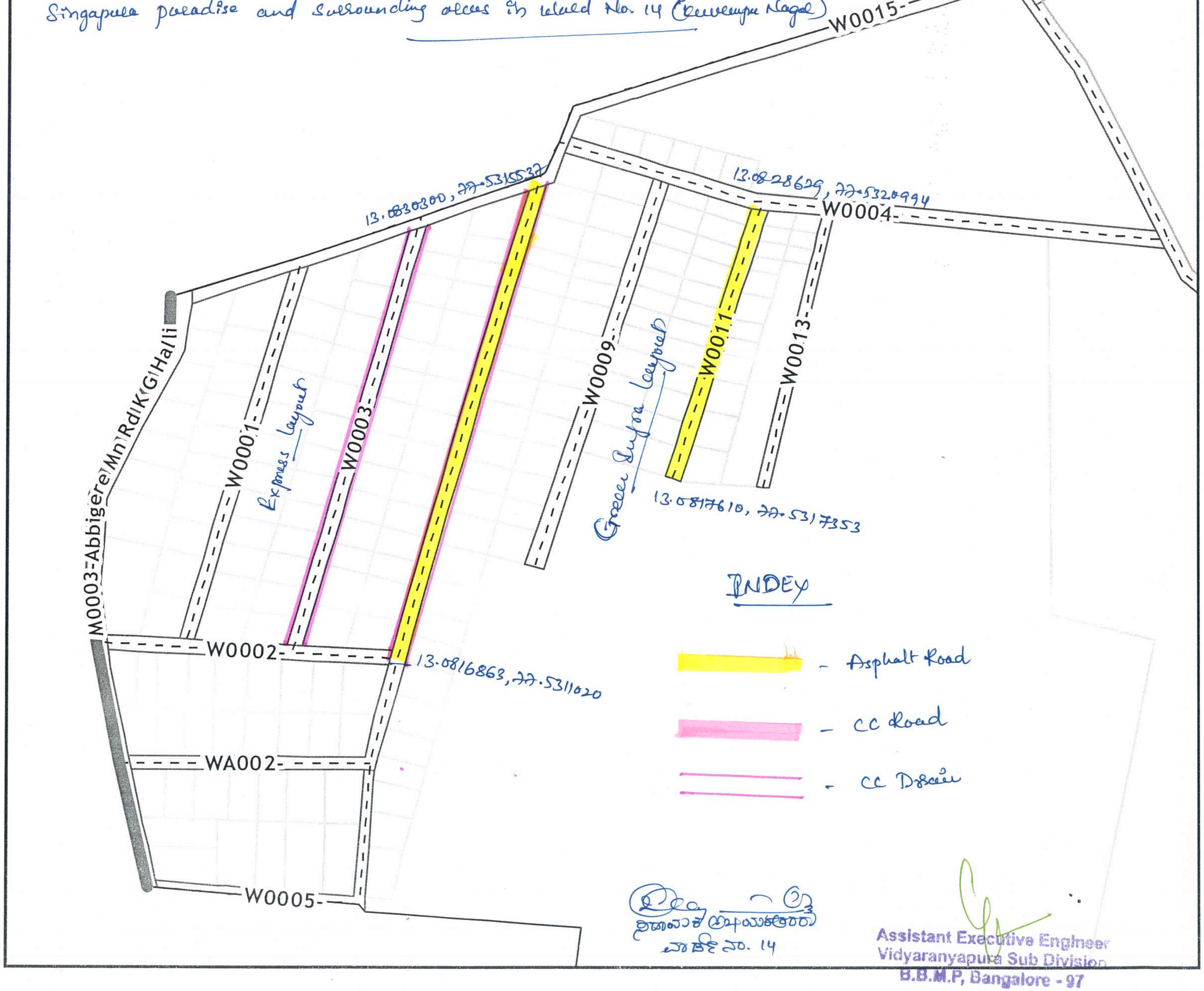
60, 13th Cross Rd, Govindayyanapalya, Vidyaranyapura, Bengaluru, Karnataka 560014, India
Lat 13.072599°
Long 77.541144°
12/01/24 04:06 PM GMT +05:30

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Improvements to Roads and Drains at Simhadri layout, Muniswamappa layout, Singapura, Singapura layout, Express layout, Lakkappa layout, Singapura Garden Singapura paradise and surrounding areas in ward No. 14 (Kuvempu Nagar)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W0001
W0003
W0009
W0011
W0013
Express layout
Green Supra layout
M0003-Abbigere Mn Rd K G Halli
13.0817610, 77.5317353
13.0816863, 77.5311020
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WA002
W0005

INDEX

🟨 - Asphalt Road

🟥 - CC Road

═ - CC Drain

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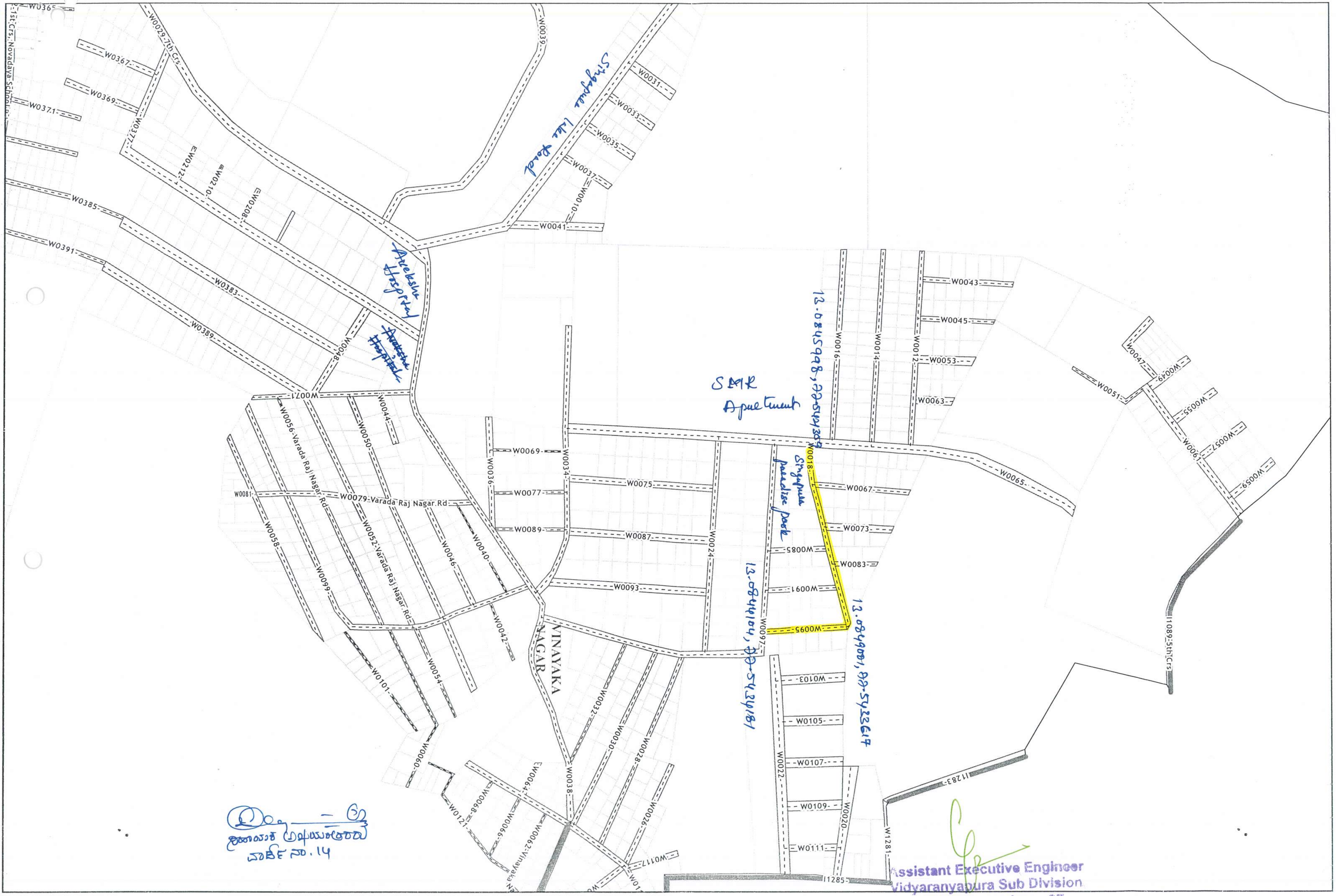
Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97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W0371
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EW0210
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W0041
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~~Aveksha~~ Hospital
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W1281
11285

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Assistant Executive Engineer
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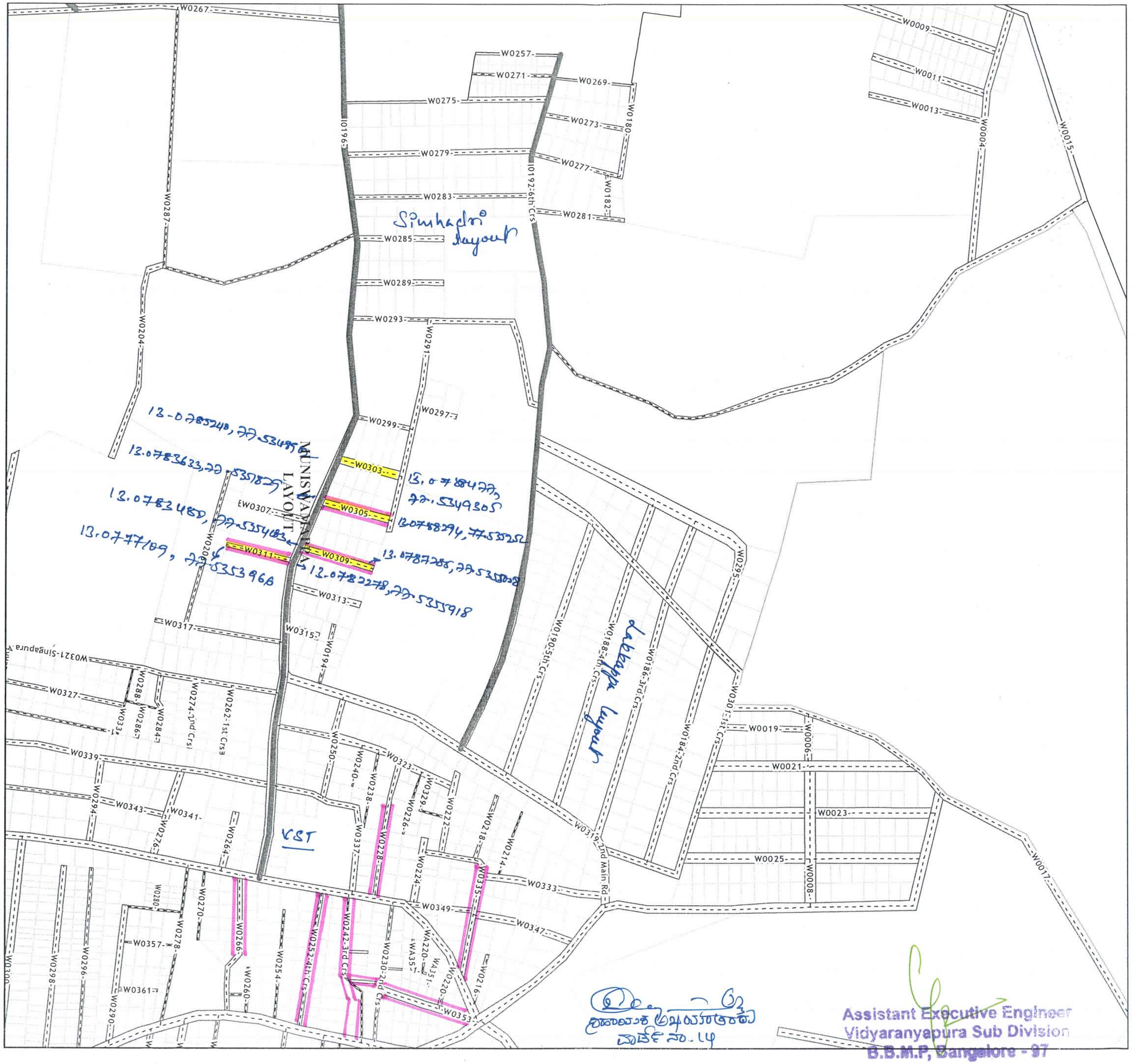
B.B.M.P, Bangalore - 97


W0267
W0257
W0271
W0269
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W0273
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13.0783480, 77.5354083
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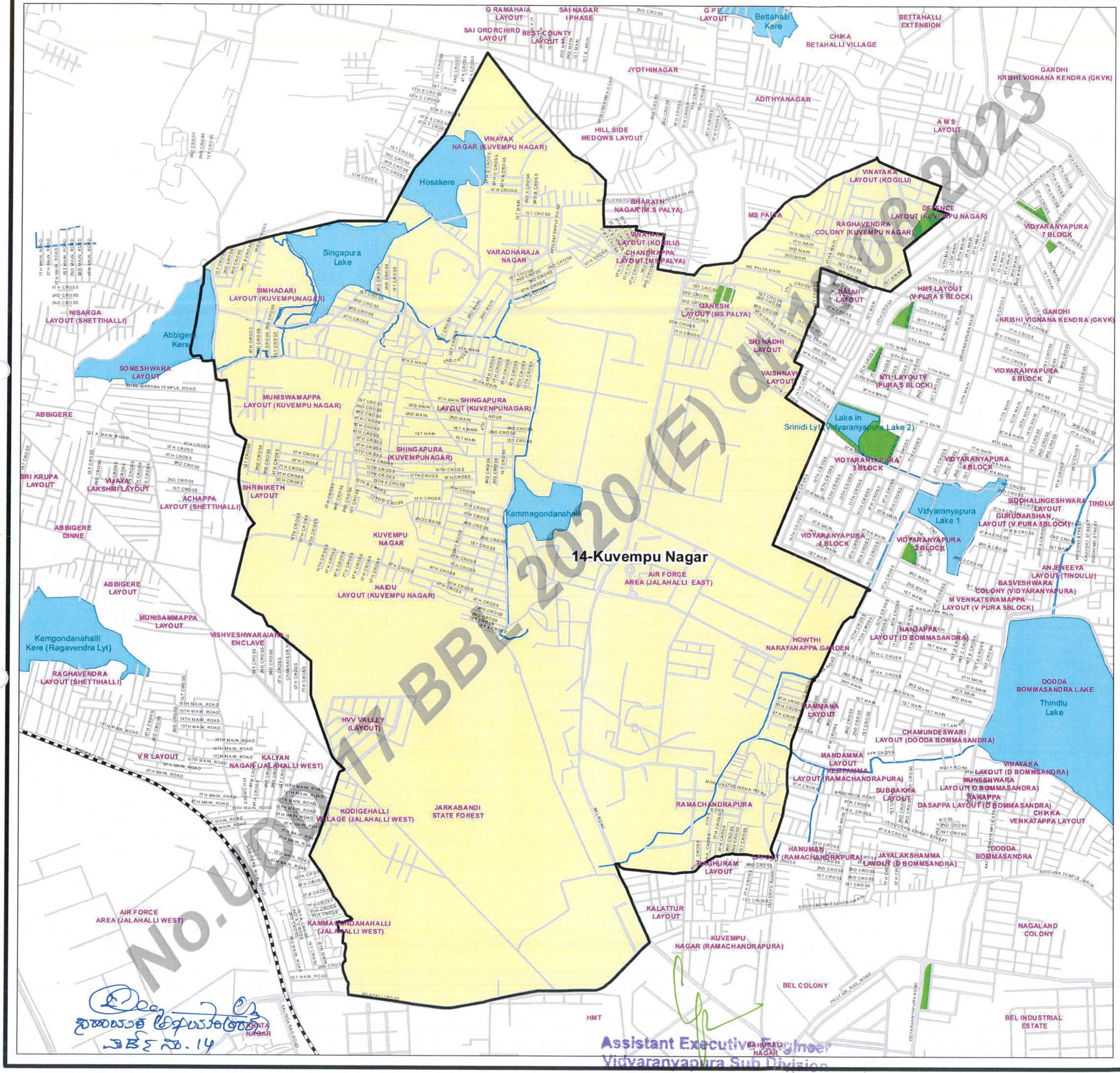
14-Kuvempu Nagar
AIR FORCE AREA (JALAHALLI EAST)
JARKABANDI STATE FOREST
HVV VALLEY (LAYOUT)
KUVEMPU NAGAR
NAIDU LAYOUT (KUVEMPU NAGAR)
SHINGAPURA (KUVEMPUNAGAR)
SHINGAPURA LAYOUT (KUVENPUNAGAR)
MUNISWAMAPPA LAYOUT (KUVEMPU NAGAR)
SIMHADARI LAYOUT (KUVEMPUNAGAR)
SHRINIKETH LAYOUT
VINAYAK NAGAR (KUVEMPU NAGAR)
Hosakere
Singapura Lake
Abbigere Kere
Kammagondanahalli
VARADHARAJA NAGAR
BHARATH NAGAR (M.S PALYA)
CHANDRAPPA LAYOUT (M.S PALYA)
VINAYAKA LAYOUT (KOGILU)
DEFENCE LAYOUT (KUVEMPU NAGAR)
RAGHAVENDRA COLONY (KUVEMPU NAGAR)
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GANESH LAYOUT (MS PALYA)
BALAJI LAYOUT
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VAISHNAVI LAYOUT
Srinidi Lyt
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VIDYARANYAPURA 3 BLOCK
VIDYARANYAPURA 4 BLOCK
VIDYARANYAPURA 5 BLOCK
Vidyaranyapura Lake 1
HOWTHI NARAYANAPPA GARDEN
RAMANNA LAYOUT
RAMACHANDRAPURA
RAGHURAM LAYOUT
KALATTUR LAYOUT
KUVEMPU NAGAR (RAMACHANDRAPURA)
BEL COLONY
HMT
BEL INDUSTRIAL ESTATE
NAGALAND COLONY
DODDA BOMMASANDRA LAKE
Thindlu Lake
KODIGEHALLI VILLAGE (JALAHALLI WEST)
KAMMAGONDANAHALLI (JALAHALLI WEST)
AIR FORCE AREA (JALAHALLI WEST)
KALYAN NAGAR (JALAHALLI WEST)
V R LAYOUT
RAGHAVENDRA LAYOUT (SHETTIHALLI)
Kamgondanahalli Kere (Ragavendra Lyt)
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G RAMAHAIA LAYOUT
SAI NAGAR I PHASE
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BEST-COUNTY LAYOUT 3
A M S LAYOUT
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VIDYARANYAPURA 6 BLOCK
HMT LAYOUT (V PURA 5 BLOCK)
NTI LAYOUT (V PURA 5 BLOCK)
SIDDHALINGESHWARA LAYOUT
GURUDARSHAN LAYOUT (V PURA 5BLOCK)
ANJENEEYA LAYOUT (TINDULU)
BASVESHWARA COLONY (VIDYARANYAPURA)
M VENKATSWAMAPPA LAYOUT (V PURA 5BLOCK)
NANJAPPA LAYOUT (D BOMMASANDRA)
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MANDAMMA LAYOUT
KEMPAMMA LAYOUT (RAMACHANDRAPURA)
SUBBAKKA LAYOUT
DASAPPA LAYOUT (D BOMMASANDRA)
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MUNESHWARA LAYOUT (D BOMMASANDRA)
RANAPPA
CHIKKA VENKATAPPA LAYOUT
DODDA BOMMASANDRA
JAYALAKSHAMMA LAYOUT (D BOMMASANDRA)
HANUMAN LAYOUT (RAMACHANDRAPURA)
KHATA NAGAR
SAHUBATI NAGAR

N

W E

S

Delimitation of Wards in BBMP - 2023

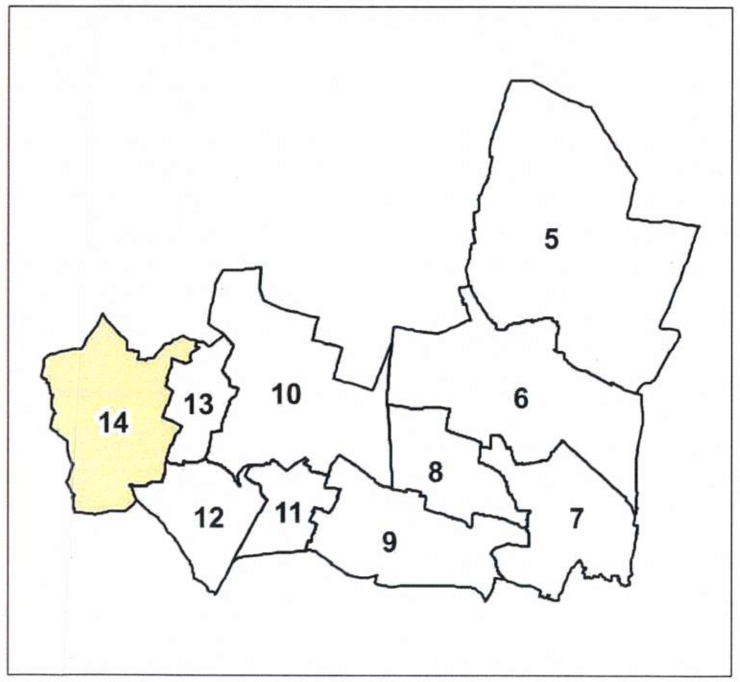
Ward Name

14-Kuvempu Nagar

Legend

☐	Delimited Ward Boundary
🟨	Delimited Ward Area
▭	Road
▬	Railwayline
🟩	Park
🟦	Tank/ Pond/ Storm Water Drain

152- Byatarayanapura AC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Government of Karnataka Notification
No.UDD 17 BBL 2020 (E) dt.18.08.2023

Delimitation Commission

No.UDD 17 BBL 2020 (E) dt.18.08.2023

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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

P-4
W-2

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: ***Estimate for Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara).***

Job Code:

P Code: P-

Estimated Cost: Rs. 250.00 Lakh(s)

Bruhat Bangalore Mahanagara Palike
Executive Engineer Bytarayanapura Division

Name of Work: Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara).

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing and resetting of footpath slab **(Approved arrival data rate)**								
	Basic rate	**235.00**							
		Sqm							
	Top Slabs								
	VaradarajaSwamy Layout								
	2nd Cross Road	2	210.00	0.90		378.00			
	3rd Cross Road(Aveksha Hospital Road)	2	250.00	0.90		450.00			
	Bharathnagara								
	3rd Cross Road	2	25.00	0.90		45.00			
	7th Cross Road	2	35.00	0.90		63.00			
	Vinayakanagara								
	1st Cross Road	2	60.00	0.90		108.00			
	2nd Cross Road	2	73.00	0.90		131.40			
	3rd Cross Road	2	72.00	0.90		129.60			
	Varadarajanagara								
	2nd Main Road	2	70.00	0.90		126.00			
	3rd Main Road	2	130.00	0.90		234.00			
	Hosabalunagara								
	Cross Rd	2	60.00	0.90		108.00			
	Chandrappa Layout								
	Cross Rd	2	50.00	0.90		90.00			
	Naidu Layout								
	3rd Cross Road	2	45.00	0.90		81.00			
	Kuvempunagara 1st Stage								
	7th Cross Rd	2	130.00	0.90		234.00			
						2178.00			
	Consider 60%					1306.80			
	Deduct 30% Missing/Damaged Slab					392.04			
						914.760	**Sqm**	**235.00**	**214968.60**
2	Removing and resetting stone slabs of drains and pointing in C.M (1:3) **(Approved arrival data rate)**								
	Basic rate	**121.00**							
		Sqm							
	Top Slabs								
	VaradarajaSwamy Layout								
	2nd Cross Road	2	210.00	0.90		378.00			
	3rd Cross Road(Aveksha Hospital Road)	2	250.00	0.90		450.00			
	Bharathnagara								
	3rd Cross Road	2	25.00	0.90		45.00			
	7th Cross Road	2	35.00	0.90		63.00			
	Vinayakanagara								
	1st Cross Road	2	60.00	0.90		108.00			
	2nd Cross Road	2	73.00	0.90		131.40			
	3rd Cross Road	2	72.00	0.90		129.60			
	Varadarajanagara								
	2nd Main Road	2	70.00	0.90		126.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	d Main Road	2	130.00	0.90		234.00			
						1665.00			
	Consider 20%					**333.00**			
						333.000	**Sqm**	**121.00**	**40,293.00**
3	Earth work Excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. **(PWD SR 2023-24 Vol -I Pg No 5 item no 1.4.1)**								
	Basic Rate	**242.00**							
	Area Weightage 10%	**24.20**							
	Total Rate	**266.20**							
	Rcc Drain								
	Sandya Layout								
	Cross Road-1	2	109.00	1.00	1.00	218.00			
	Cross Road-2	2	120.00	1.00	1.00	240.00			
	Naidu Layout								
	Main Road	1	220.00	1.10	1.00	242.00			
	9th Cross Road	2	90.00	1.00	1.00	180.00			
	Kuvempunagara 2nd Stage								
	3rd Cross Road	2	62.00	1.00	1.00	124.00			
	Kuvempunagara								
	Surrounding area	1	120.00	1.00	1.00	120.00			
	Drain Desilts								
	VaradarajaSwamy Layout								
	2nd Cross Road	2	210.00	0.45	0.45	85.05			
	3rd Cross Road(Aveksha Hospital Road)	2	250.00	0.45	0.45	101.25			
	Bharathnagara								
	3rd Cross Road	2	25.00	0.45	0.45	10.13			
	7th Cross Road	2	35.00	0.45	0.45	14.18			
	Vinayakanagara								
	1st Cross Road	2	60.00	0.45	0.45	24.30			
	2nd Cross Road	2	73.00	0.45	0.45	29.57			
	3rd Cross Road	2	72.00	0.45	0.45	29.16			
	Varadarajanagara								
	2nd Main Road	2	70.00	0.45	0.45	28.35			
	3rd Main Road	2	130.00	0.45	0.30	35.10			
	Hosabalunagara								
	Cross Rd	2	60.00	0.45	0.45	24.30			
	Chandrappa Layout								
	Cross Rd	2	50.00	0.45	0.45	20.25			
	Naidu Layout								
	3rd Cross Road	2	45.00	0.45	0.45	18.23			
	Kuvempunagara 1st Stage								
	7th Cross Rd	2	130.00	0.45	0.45	52.65			
	Culverts								
	Surrounding areas	6	6.40	1.50	1.00	57.60			
	HVV Valley								
	Surrounding areas	1	6.40	1.50	1.00	9.60			
	Hosabalunagara								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	rrounding areas	1	6.00	1.50	1.00	9.00			
						1672.70	**Cum**	**266.20**	**445272.74**
4	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. . Mix 1:4:8 Using 40 mm nominal size graded crushed coarse aggregates **(PWD SR 2023-24 Vol -I Pg 15 item no 2.1.2)**								
	Basic Rate	**5664.00**							
	Area Weightage 10%	**566.40**							
	Total Rate	**6230.40**							
	Rcc Drain								
	Sandya Layout								
	Cross Road-1	2	109.00	1.00	0.15	32.70			
	Cross Road-2	2	120.00	1.00	0.15	36.00			
	Naidu Layout								
	Main Road	1	220.00	1.00	0.15	33.00			
	9th Cross Road	2	90.00	1.00	0.15	27.00			
	Kuvempunagara 2nd Stage								
	3rd Cross Road	2	62.00	0.90	0.15	16.74			
	Kuvempunagara								
	Surrounding area	1	120.00	0.90	0.15	16.20			
	Culverts								
	Surrounding areas	6	6.40	1.50	0.15	8.64			
	HVV Valley								
	Surrounding areas	1	6.40	1.50	0.15	1.44			
	Hosabalunagara								
	Surrounding areas	1	6.00	1.50	0.15	9.00			
						180.72	**Cum**	**6230.40**	**1125957.89**
5	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification H. All other type of structures **(PWD SR 2023-24 Vol -I Pg 99 item no 2.11.h)**								
	Basic Rate	**79011.00**							
	Area Weightage 10%	**7901.10**							
	Total Rate	**86912.10**							
	For RCC Drain, 60kg/Sqm	1	327.29	60.00		19637.10			
	For RCC Culvert, 90kg/Sqm	1	33.08	90.00		2976.91			
						22.61	**Tn**	**86912.10**	**1965431.27**
6	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates **(PWD SR 2023-24 Vol -I Pg 16 item no 2.4.2))**								
	Basic Rate	**6323.00**							
	10% for Centring	**632.30**							
	Sub Total	**6955.30**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Area Weightage 10%	695.53							
	Total Rate	7650.83							
	Drain Raft								
	Sandya Layout								
	Cross Road-1	2	109.00	0.75	0.15	24.53			
	Cross Road-2	2	120.00	0.75	0.15	27.00			
	Naidu Layout								
	Main Road	1	220.00	0.90	0.15	29.70			
	9th Cross Rd	2	90.00	0.75	0.15	20.25			
	Kuvempunagara 2nd Stage								
	3rd Cross rd	2	62.00	0.75	0.15	13.95			
	Kuvempunagara								
	Surrounding area	1	120.00	0.75	0.15	13.50			
	Drain Side Wall								
	Sandya Layout								
	Cross Road-1	4	109.00	0.15	0.60	39.24			
	Cross Road-2	4	120.00	0.15	0.60	43.20			
	Naidu Layout								
	Main Road	2	220.00	0.15	0.60	39.60			
	9th Cross Rd	4	90.00	0.15	0.60	32.40			
	Kuvempunagara 2nd Stage								
	3rd Cross rd	4	62.00	0.15	0.60	22.32			
	Kuvempunagara								
	Surrounding area	2	120.00	0.15	0.60	21.60			
						327.29			
	Culverts								
	Raft								
	Surrounding areas	6	6.40	1.20	0.20	9.22			
	HVV Valley								
	Surrounding areas	1	6.40	1.20	0.20	1.54			
	Hosabalunagara								
	Surrounding areas	1	6.00	1.20	0.20	7.20			
	Side Wall								
	Surrounding areas	12	6.40	0.23	0.60	10.60			
	HVV Valley								
	Surrounding areas	2	6.40	0.23	0.60	1.77			
	Hosabalunagara								
	Surrounding areas	2	6.00	0.23	0.60	2.76			
						33.08			
						360.36	**Cum**	**7650.83**	**2757066.87**
7	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregate **(PWD SR 2023-24 Vol -I Pg 15 Item No. 2.1.6))**								
	Basic Rate	6243.00							
	Area Weightage 10%	624.30							
	Total Rate	6867.30							
	Culvert - Ramp								
	Surrounding areas	2x6	5.20	1.20	0.10	7.49			
	HVV Valley								

Si No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	rrounding areas	2x1	6.40	1.20	0.10	1.54			
	Hosabalunagara								
	Surrounding areas	2x1	6.00	1.20	0.10	1.44			
						10.46			
	Vent Concrete for Existing Drain for Damage portion								
	VaradarajaSwamy Layout								
	2nd Cross Road	2	210.00	0.45	0.10	18.90			
	3rd Cross Road(Aveksha Hospital Road)	2	250.00	0.45	0.10	22.50			
	Bharathnagara								
	3rd Cross Road	2	25.00	0.45	0.10	2.25			
	7th Cross Road	2	35.00	0.45	0.10	3.15			
	Vinayakanagara								
	1st Cross Road	2	60.00	0.45	0.10	5.40			
	2nd Cross Road	2	73.00	0.45	0.10	6.57			
	3rd Cross Road	2	72.00	0.45	0.10	6.48			
	Varadarajanagara								
	2nd Main Road	2	70.00	0.45	0.10	6.30			
	3rd Main Road	2	130.00	0.45	0.10	11.70			
	Hosabalunagara								
	Cross Rd	2	60.00	0.45	0.10	5.40			
	Chandrappa Layout								
	Cross Rd	2	50.00	0.45	0.10	4.50			
	Naidu Layout								
	3rd Cross Road	2	45.00	0.45	0.10	4.05			
	Kuvempunagara 1st Stage								
	7th Cross Rd	2	130.00	0.45	0.10	11.70			
						108.90			
	Consider 30% of damaged Vent Portion					**32.67**			
						43.13	**Sqm**	**6867.30**	**296214.12**
8	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/ m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete. **(PWD SR 2023-24 Vol -II Pg No. 177 item No. 17.14)**								
	Basic Rate	**1170.00**							
	Area Weightage 10%	**117.00**							
	Total Rate	**1287.00**							
	New Rcc Drain								
	Sandya Layout								
	Cross Road-1	2	109.00	0.75		163.50			
	Cross Road-2	2	120.00	0.75		180.00			
	Naidu Layout								
	Main Road	1	220.00	0.90		198.00			
	9th Cross Rd	2	90.00	0.75		135.00			
	Kuvempunagara 2nd Stage								
	3rd Cross rd	2	62.00	0.75		93.00			
	Kuvempunagara								
	Surrounding area	1	120.00	0.75		90.00			
	Add Missing/Damaged Slabs					295.00			
						1154.50	**Sqm**	**1287.00**	**1485841.50**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
9	Providing and Fixing pre cast Covering Slab 230mm thick made out of M20 and jelly 20mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge **(Approved Data Rate)**								
	Data Rate	**5037.00**							
	For Culverts								
	Surrounding areas	6	6.40	1.20		46.08			
	HVV Valley								
	Surrounding areas	1	6.40	1.20		7.68			
	Hosabalunagara								
	Surrounding areas	1	6.00	1.20		7.20			
						60.96	**Sqm**	**5037.00**	**307055.52**
10	Earth work in surface Excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. **(PWD SR 23-24 Vol I Pg No. 8 Item No 1.12)**								
	Basic Rate	**95.00**							
	Area Weightage 10%	**9.50**							
	Total Rate	**104.50**							
	Road Damaged Portion								
	VaradarajaSwamy Layout								
	2nd Cross Road	1	210.00	5.00	0.20	210.00			
	3rd Cross Road(Aveksha Hospital Road)	1	250.00	5.40	0.20	270.00			
	Varadarajanagara								
	2nd Main Road	1	70.00	5.50	0.20	77.00			
	3rd Main Road	1	130.00	7.70	0.20	200.20			
	Kuvempunagar 2nd Stage								
	3rd Cross Rd	1	62.00	4.50	0.20	55.80			
	Triven Road	1	55.00	5.10	0.20	56.10			
	Kuvempunagara 1st Stage								
	7th Cross Rd	1	130.00	5.30	0.20	137.80			
						1006.90			
	consider 25% of road damaged portion and Road Cutting Portions					**251.73**			
	Full Road Work								
	Sandya Layout								
	Cross Road-1	1	109.00	5.70	0.20	124.26			
	Cross Road-2	1	120.00	5.80	0.20	139.20			
						515.19	**Cum**	**104.50**	**53,836.83**
11	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead **(PWD SR 2023-24 Vol III, Item No: 3.5, Page No: 17)**								
	Basic rate	**6.00**							
	Area weightage 10%	**0.60**							
	Total Rate	**6.60**							
	For Asphalt								
	Naidu Layout								
	3rd Cross Road	1	45.00	4.80		216.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For CC Road								
	Bharathnagara								
	3rd Cross Road	1	25.00	3.30		82.50			
	7th Cross Road	1	35.00	3.80		133.00			
	Vinayakanagara								
	1st Cross Road	1	60.00	4.00		240.00			
	2nd Cross Road	1	72.00	4.00		288.00			
	3rd Cross Road	1	73.00	3.90		284.70			
						1244.20	**Sqm**	**6.60**	**8211.72**
12	Construction of Granular sub-base Grading-V as sub-base and drainage layer by providing coarse graded crushed aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications.**(PWD SR 23-24 Vol III Pg no. 23 Item No. 4.1)**								
	Basic Rate	**2487.00**							
	Area Weightage 10%	**248.70**							
	Total Rate	**2735.70**							
	Full Road Work								
	Sandya Layout								
	Cross Road-1	1	109.00	5.70	0.20	124.26			
	Cross Road-2	1	120.00	5.80	0.20	139.20			
						263.46	**Cum**	**2735.70**	**720747.52**
13	Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification No. 406 **(PWD SR 23-24 Vol III Pg no. 26 Item No. 4.17)**								
	Basic Rate	**2559.00**							
	Area Weightage 10%	**255.90**							
	Total Rate	**2814.90**							
	Road Damaged Portion								
	VaradarajaSwamy Layout								
	2nd Cross Road	1	210.00	5.00	0.20	210.00			
	3rd Cross Road(Aveksha Hospital Road)	1	250.00	5.40	0.20	270.00			
	Varadarajanagara								
	2nd Main Road	1	70.00	5.50	0.20	77.00			
	3rd Main Road	1	130.00	7.70	0.20	200.20			
	Kuvempunagar 2nd Stage								
	3rd Cross Rd	1	62.00	4.50	0.20	55.80			
	Triven Road	1	55.00	5.10	0.20	56.10			
	Kuvempunagara 1st Stage								
	7th Cross Rd	1	130.00	5.30	0.20	137.80			
						1006.90			
	consider 25% of road damaged portion and Road Cutting Portions					**251.73**			
	Full Road Work								
	Sandya Layout								
	Cross Road-1	1	109.00	5.70	0.20	124.26			
	Cross Road-2	1	120.00	5.80	0.20	139.20			
	Naidu Layout								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	3rd Cross Road	1	45.00	4.80	0.20	43.20			
						306.66			
						558.39	**Cum**	**2814.90**	**1571797.94**
14	Providing and applying Primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502 **(PWD SR 23-24 Vol III Pg no. 31 Item No. 5.2)**								
	Basic Rate	**53.00**							
	Area Weightage 10%	**5.30**							
	Total Rate	**58.30**							
	Road Damaged Portion								
	VaradarajaSwamy Layout								
	2nd Cross Road	1	210.00	5.00		1050.00			
	3rd Cross Road(Aveksha Hospital Road)	1	250.00	5.40		1350.00			
	Varadarajanagara								
	2nd Main Road	1	70.00	5.50		385.00			
	3rd Main Road	1	130.00	7.70		1001.00			
	Kuvempunagar 2nd Stage								
	3rd Cross Rd	1	62.00	4.50		279.00			
	Triven Road	1	55.00	5.10		280.50			
	Kuvempunagara 1st Stage								
	7th Cross Rd	1	130.00	5.30		689.00			
						5034.50			
	consider 25% of road damaged portion and Road Cutting Portions					**1258.63**			
	For Profile Correction								
	VaradarajaSwamy Layout								
	2nd Cross Road	1	210.00	5.00		1050.00			
	3rd Cross Road(Aveksha Hospital Road)	1	250.00	5.40		1350.00			
	Varadarajanagara								
	2nd Main Road	1	70.00	5.50		385.00			
	3rd Main Road	1	130.00	7.70		1001.00			
	Kuvempunagar 2nd Stage								
	3rd Cross Rd	1	62.00	4.50		279.00			
	Triven Road	1	55.00	5.10		280.50			
	Kuvempunagara 1st Stage								
	7th Cross Rd	1	130.00	5.30		689.00			
						5034.50			
	consider 10% for Profile Correction					503.45			
	Naidu Layout								
	Main Road	1	236.00	7.50		1770.00			
						2273.45			
	Full Road Work								
	Sandya Layout								
	Cross Road-1	1	109.00	5.70		621.30			
	Cross Road-2	1	120.00	5.80		696.00			
	Naidu Layout								
	3rd Cross Road	1	45.00	4.80		216.00			
						1533.30			
						5065.38	**Sqm**	**58.30**	**295311.36**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
15	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects **(PWD SR 23-24 Vol III Pg no 35 Item No 5.12 (C))**								
	Basic Rate	**9449.00**							
	Area Weightage 10%	**944.90**							
	Total Rate	**10393.90**							
	Road Damaged Portion								
	VaradarajaSwamy Layout								
	2nd Cross Road	1	210.00	5.00	0.05	52.50			
	3rd Cross Road(Aveksha Hospital Road)	1	250.00	5.40	0.05	67.50			
	Varadarajanagara								
	2nd Main Road	1	70.00	5.50	0.05	19.25			
	3rd Main Road	1	130.00	7.70	0.05	50.05			
	Kuvempunagar 2nd Stage								
	3rd Cross Rd	1	62.00	4.50	0.05	13.95			
	Triven Road	1	55.00	5.10	0.05	14.03			
	Kuvempunagara 1st Stage								
	7th Cross Rd	1	130.00	5.30	0.05	34.45			
						251.73			
	consider 25% of road damaged portion and Road Cutting Portions					**62.93**			
	For Profile Correction								
	VaradarajaSwamy Layout								
	2nd Cross Road	1	210.00	5.00	0.05	52.50			
	3rd Cross Road(Aveksha Hospital Road)	1	250.00	5.40	0.05	67.50			
	Varadarajanagara								
	2nd Main Road	1	70.00	5.50	0.05	19.25			
	3rd Main Road	1	130.00	7.70	0.05	50.05			
	Kuvempunagar 2nd Stage								
	3rd Cross Rd	1	62.00	4.50	0.05	13.95			
	Triven Road	1	55.00	5.10	0.05	14.03			
	Kuvempunagara 1st Stage								
	7th Cross Rd	1	130.00	5.30	0.05	34.45			
						251.73			
	consider 10% for Profile Correction					25.17			
	Naidu Layout								
	Main Road	1	236.00	7.50	0.05	88.50			
						113.67			
	Full Road Work								
	Sandya Layout								
	Cross Road-1	1	109.00	5.70	0.05	31.07			
	Cross Road-2	1	120.00	5.80	0.05	34.80			
	Naidu Layout								
	3rd Cross Road	1	45.00	4.80	0.05	10.80			
						76.67			
						253.27	**Cum**	**10393.90**	**2632450.06**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
16	Providing and applying Tack Coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification No. 503 **(PWD SR 23-24 Vol III Pg no. 31 Item No 5.4)**								
	Basic Rate	**14.00**							
	Area Weightage 10%	**1.40**							
	Total Rate	**15.40**							
	For BC								
	VaradarajaSwamy Layout								
	2nd Cross Road	1	210.00	5.00		1050.00			
	3rd Cross Road(Aveksha Hospital Road)	1	250.00	5.40		1350.00			
	Vinayakanagara								
	2nd Main Road	1	70.00	5.50		385.00			
	3rd Main Road	1	130.00	7.70		1001.00			
	Sandya Layout								
	Cross Road-1	1	109.00	5.70		621.30			
	Cross Road-2	1	120.00	5.80		696.00			
	Naidu Layout								
	Main Road	1	236.00	7.50		1770.00			
	3rd Cross Road	1	45.00	4.80		216.00			
	Kuvempunagar 2nd Stage								
	3rd Cross Rd	1	62.00	4.50		279.00			
	Triven Road	1	55.00	5.10		280.50			
	Kuvempunagara 1st Stage								
	7th Cross Rd	1	130.00	5.30		689.00			
						8337.80	**Sqm**	**15.40**	**128402.12**
17	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects **(PWD SR 23-24 Vol III Pg no 38 Item No 5.16 (C))**								
	Basic Rate	**10954.00**							
	Area Weightage 10%	**1095.40**							
	Total Rate	**12049.40**							
	For BC								
	VaradarajaSwamy Layout								
	2nd Cross Road	1	210.00	5.00	0.04	42.00			
	3rd Cross Road(Aveksha Hospital Road)	1	250.00	5.40	0.04	54.00			
	Varadarajanagara								
	2nd Main Road	1	70.00	5.50	0.04	15.40			
	3rd Main Road	1	130.00	7.70	0.04	40.04			
	Sandya Layout								
	Cross Road-1	1	109.00	5.70	0.04	24.85			
	Cross Road-2	1	120.00	5.80	0.04	27.84			
	Naidu Layout								
	Main Road	1	236.00	7.50	0.04	70.80			
	3rd Cross Road	1	45.00	4.80	0.04	8.64			
	Kuvempunagar 2nd Stage								
	3rd Cross Rd	1	62.00	4.50	0.04	11.16			
	Triven Road	1	55.00	5.10	0.04	11.22			
	Kuvempunagara 1st Stage								
	7th Cross Rd	1	130.00	5.30	0.04	27.56			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						333.51	**Cum**	**12049.40**	**4018619.49**
18	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes **(PWD SR 23-24 Vol III Pg No. 67 Item No 8.15)**								
	Basic Rate	**530.00**							
	Area Weightage 10%	**53.00**							
	Total Rate	**583.00**							
	Asphalt Road								
	VaradarajaSwamy Layout								
	2nd Cross Road	2	210.00	0.10		42.00			
	3rd Cross Road(Aveksha Hospital Road)	2	250.00	0.10		50.00			
	Varadarajanagara								
	2nd Main Road	2	70.00	0.10		14.00			
	3rd Main Road	2	130.00	0.10		26.00			
	Sandya Layout								
	Cross Road-1	2	109.00	0.10		21.80			
	Cross Road-2	2	120.00	0.10		24.00			
	Naidu Layout								
	Main Road	3	236.00	0.10		70.80			
	3rd Cross Road	2	45.00	0.10		9.00			
	Kuvempunagar 2nd Stage								
	3rd Cross Rd	2	62.00	0.10		12.40			
	Triven Road	2	55.00	0.10		11.00			
	Kuvempunagara 1st Stage								
	7th Cross Rd	2	130.00	0.10		26.00			
						307.00	**Sqm**	**583.00**	**178981.00**
19	Supplying and Fixing Of **Molded Shank Raised pavement Markers/ Cat's Eye** made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000Kg tested in accordance to ASTM D 4280 type H and complying to specification of category a of MORTH circular No RW/NH/33023/10-97 Do III Dt 11.06.1997. The height, width and length shall not exceed 50mm, 100mm and 102+/- 2mm and with minimum reflective area of 13 cm2 on each side and the slope to the base shall be 35+/- 5 degree. the strength of detachment of the integarted cylindrical shanks, (of diameter not less than 19+/-2mm and height not less than 30+/- 2mm) from the body is to be a minimum value of 500 Kg. Fixing will be By drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per Manufacturer's recommendation and complete as directed by the engineer. the contractor shall submit a two year warranty for satisfactory field performance including stipulated retro-reflectance of the reflecting panel, to the engineer. **(PWD SR 23-24 Vol III Pg No. 119 Item No 8.43)**								
	Basic Rate	**365.00**							
	Area Weightage 10%	**36.50**							
	Total Rate	**401.50**							
	Naidu Layout								
	Main Road	3	47.20			141.60			
						141.60	**Nos**	**401.50**	**56,852.40**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
19	Construction of Dry Lean Cement Concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm,aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3 , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. MORTH Specification No. 601 **(PWD SR 2023-24 Vol - III P.No. 49 - I.No. 6.1)**								
	Basic Rate	**4920.00**							
	Area Weightage 10%	**492.00**							
	Total Rate	**5412.00**							
	For CC Roads								
	Bharathnagara								
	3rd Cross Road	1	25.00	3.30	0.15	12.38			
	7th Cross Road	1	35.00	3.80	0.15	19.95			
	Vinayakanagara								
	1st Cross Road	1	60.00	4.00	0.15	36.00			
	2nd Cross Road	1	72.00	4.00	0.15	43.20			
	3rd Cross Road	1	73.00	3.90	0.15	42.71			
						154.23	**Cum**	**5412.00**	**834692.76**
20	Construction of un-reinforced plain cement concrete pavement using RMC M-30 grade with OPC @ 270 kg/m3 and GGBS@ 90 kg/m3 (75:25 proportion) as per approved mix design procedure and thickness as per design, over a prepared sub base. The superplastisiser confirming to IS 9103-1999 Reaffirmed-2008 ,Coarse aggregates and Fine aggregate confirming to IS:383-2016, transported to site, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work). Spreading the concrete with shovels, rackers and compacted using needle, suitable plate vibrator and finished in a continuous operation including provision of separation membrane and Hessian cloth finishing to lines and grades complete including cost of all materials, labour, all lead & lift, loading charges as per specification & direction of Engineer - incharge of the work. (Groove cutting shall be paid seperately) **(PWD SR 2023-24 Vol -III Pg No. 51 item no. 6.6)**								
	Basic Rate	**6774.00**							
	Area Weightage 10%	**677.40**							
	Total Rate	**7451.40**							
	For CC Roads								
	Bharathnagara								
	3rd Cross Road	1	25.00	3.30	0.15	12.38			
	7th Cross Road	1	35.00	3.80	0.15	19.95			
	Vinayakanagara								
	1st Cross Road	1	60.00	4.00	0.15	36.00			
	2nd Cross Road	1	72.00	4.00	0.15	43.20			
	3rd Cross Road	1	73.00	3.90	0.15	42.71			
						154.23	**Cum**	**7451.40**	**1149229.42**
21	Crack Groove Cutting: Groove shall be cut using hand held electrically operated concrete cutting machine of size of 50 mm wide and 75 mm deep on each side of the crack to form as "V" groove all along the crack to fill the polyester resin/ Epoxy putty (horizontal and vertical cracks). After the groove cutting, the concrete shall be removed from the groove using the pneumatic concrete chipping machine to form "V" groove. The item includes the cost of hire charges for all machineries, tools and barges and all labour charges etc., complete **(PWD SR 2023-24 Vol -III Pg No. 161 Item No. 10)**								
	Basic Rate	**750.00**							
	Area Weightage 10%	**75.00**							
	Total Rate	**825.00**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For CC Roads								
	Bharathnagara								
	3rd Cross Road	1	5.00	3.30		16.50			
	7th Cross Road	1	7.00	3.80		26.60			
	Vinayakanagara								
	1st Cross Road	1	12.00	4.00		48.00			
	2nd Cross Road	1	14.00	4.00		56.00			
	3rd Cross Road	1	14.00	3.90		54.60			
						201.70	**Mtrs**	**825.00**	**166402.50**
22	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 15 km = 150 t.km **(PWD SR 2023-24 Vol-III Page No. 5, Item No.1.4A)**								
	Basic Rate	**180.00**							
	15KM Lead = 12*15	**180.00**							
	Area Weightage 10%	**18.00**							
	Total Rate	**198.00**							
	Qty frm Item No-3		1672.70	1.28		2141.06			
	Qty frm Item No-10		515.19	1.28		659.44			
						2800.49	**t.Km**	**198.00**	**554497.57**
	Total Construction Cost								**21008134.21**
	18% GST for Construction Cost								**3781464.16**
	1% of PMC Charges for Construction Cost								**210081.34**
	Sub Total - 1								**24999679.71**
	Utility Shifting,Miscellaneous and Rounding off								**320.29**
	GRAND TOTAL								**25000000.00**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary.
2) The work spot comes under B.B.M.P Limits.
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of PWD 2023-24 and Date Rates.

Assistant Engineer
Ward No-14
BBMP Bangalore

Asst. Executive Engineer,
Vidyaranyapura Sub Division
BBMP Bangalore

Executive Engineer,
Bytarayanapura Division
BBMP Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

SKETCH

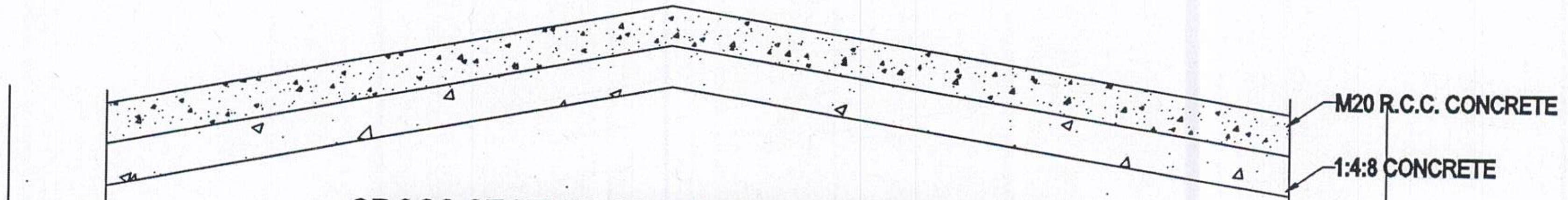
BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

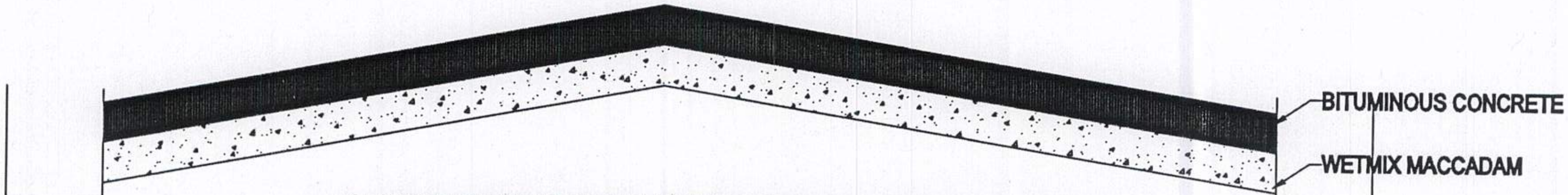
DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

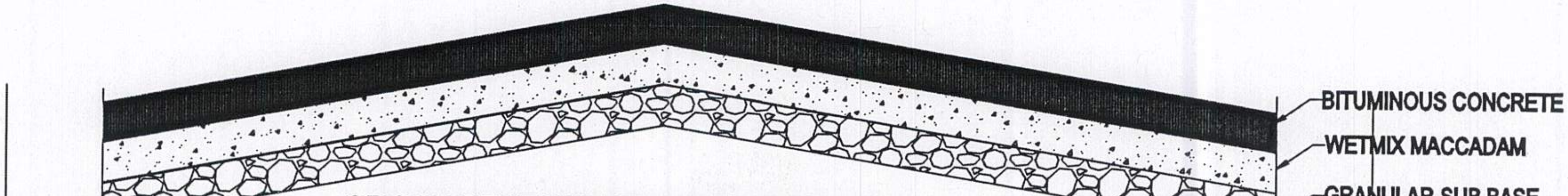
CROSS SECTIONS


M20 R.C.C. CONCRETE
1:4:8 CONCRETE

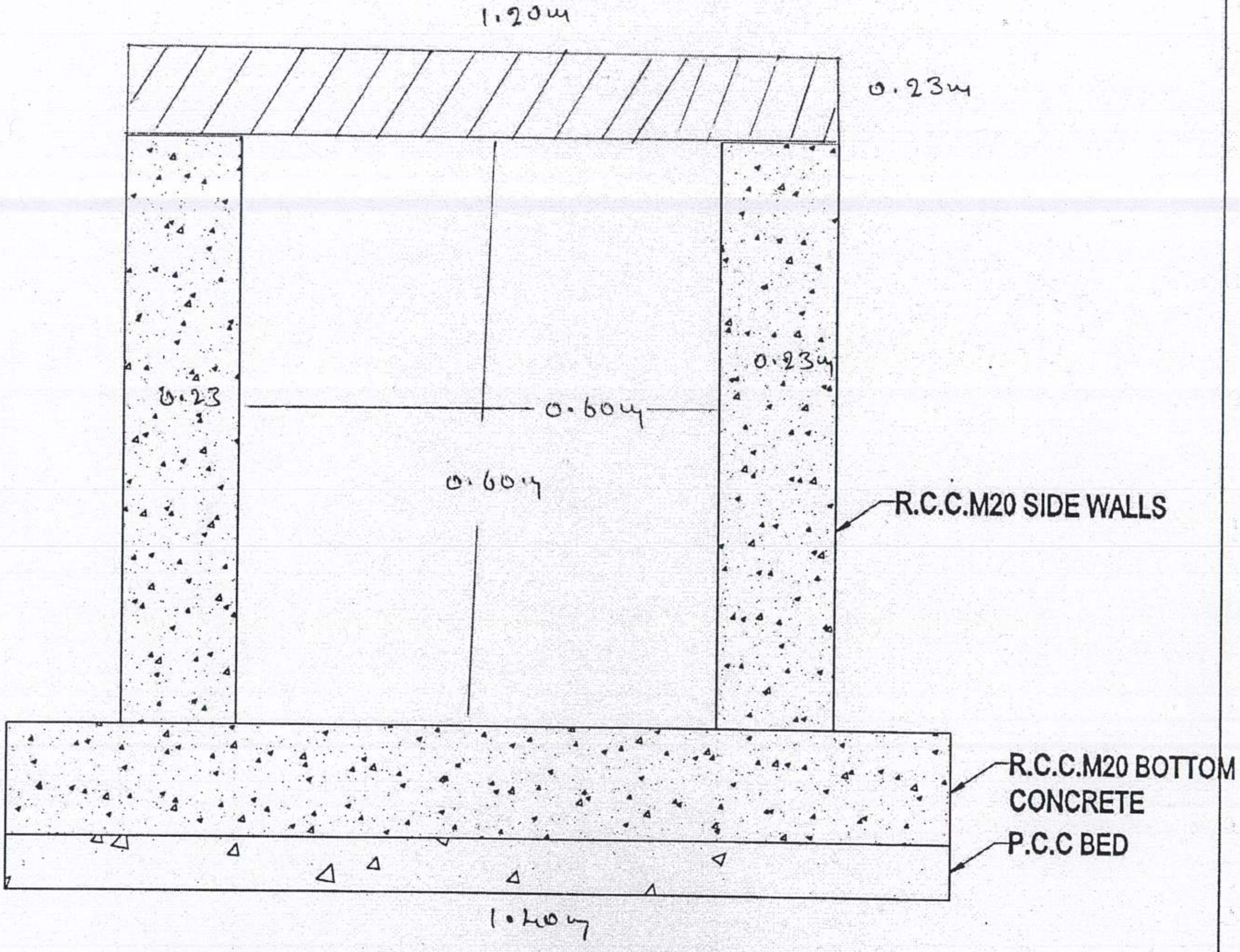
CROSS SECTION OF CEMENT CONCRETE ROAD


BITUMINOUS CONCRETE
WETMIX MACCADAM

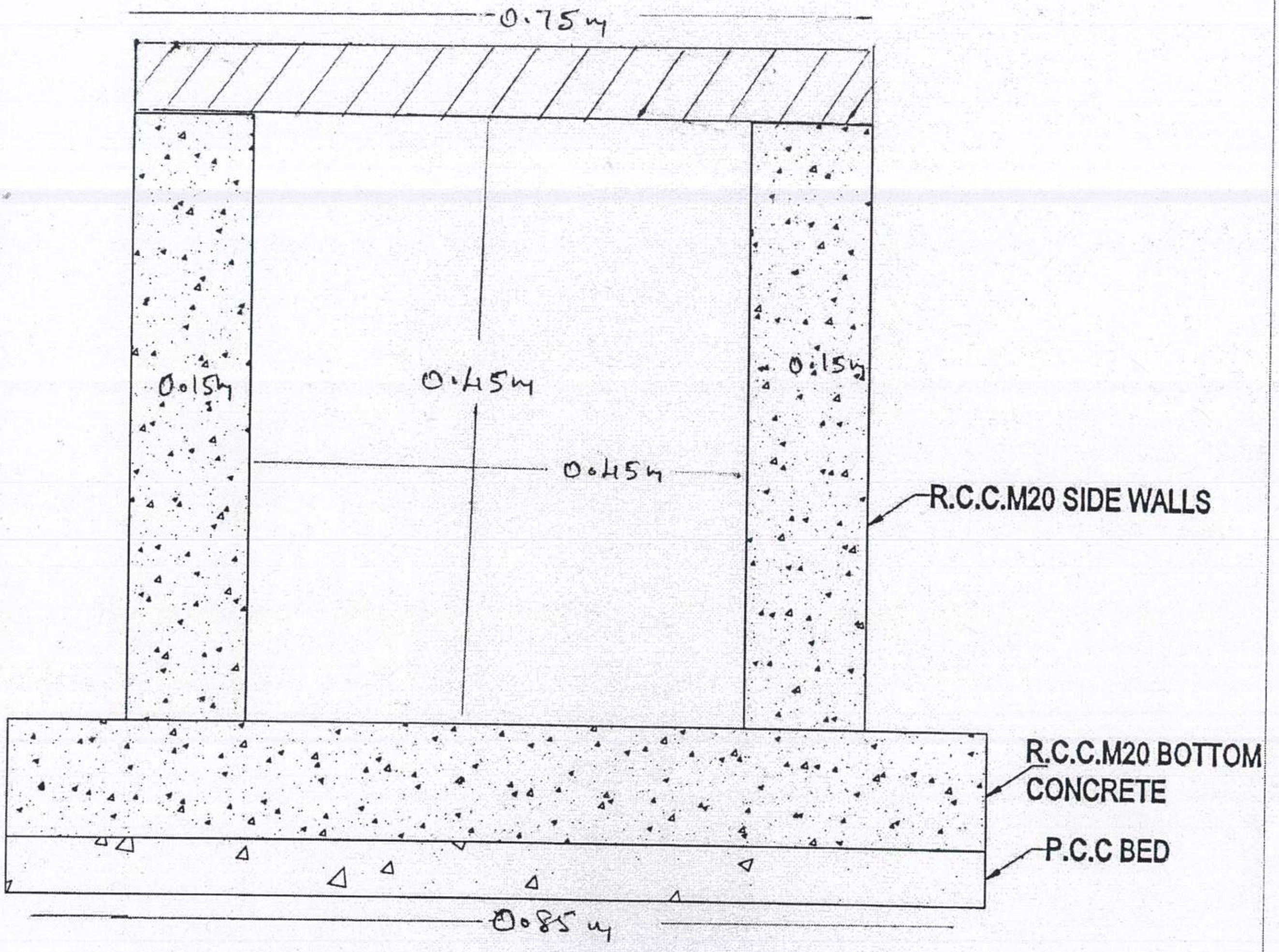
CROSS SECTION OF OVER LAYING ASPHALT ROAD


BITUMINOUS CONCRETE
WETMIX MACCADAM
GRANULAR SUB BASE

CROSS SECTION NEW ASPHALT ROAD


1.20m
0.23m
0.23
0.23m
0.60m
0.60m
R.C.C.M20 SIDE WALLS
R.C.C.M20 BOTTOM CONCRETE
P.C.C BED
1.40m

CROSS SECTION OF CULVERT


0.75m
0.15m
0.45m
0.45m
0.15m
R.C.C.M20 SIDE WALLS
R.C.C.M20 BOTTOM CONCRETE
P.C.C BED
0.85m

CROSS SECTION OF R.C.C DRAIN

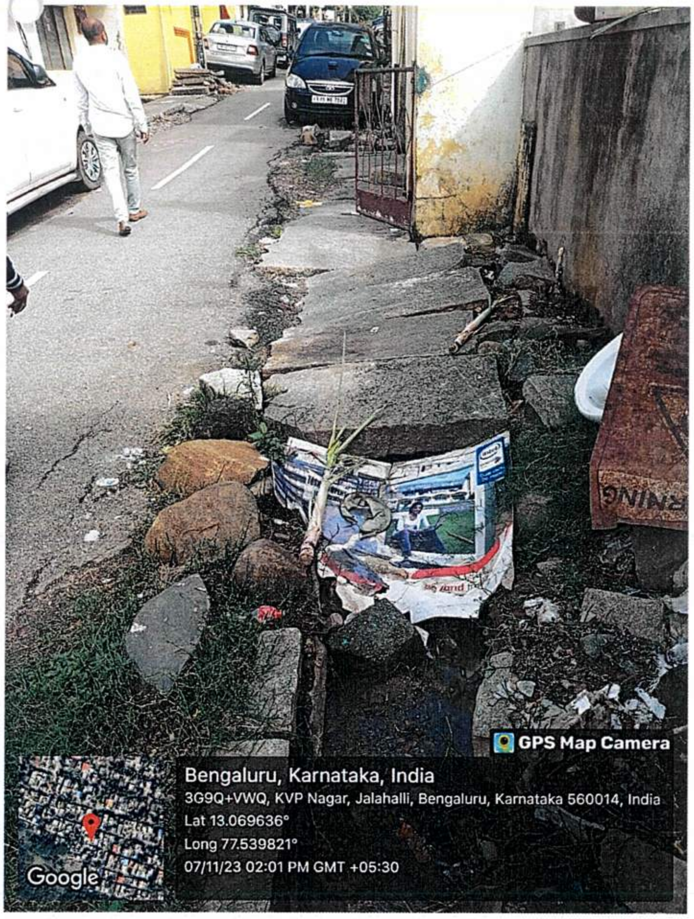
BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

PHOTOS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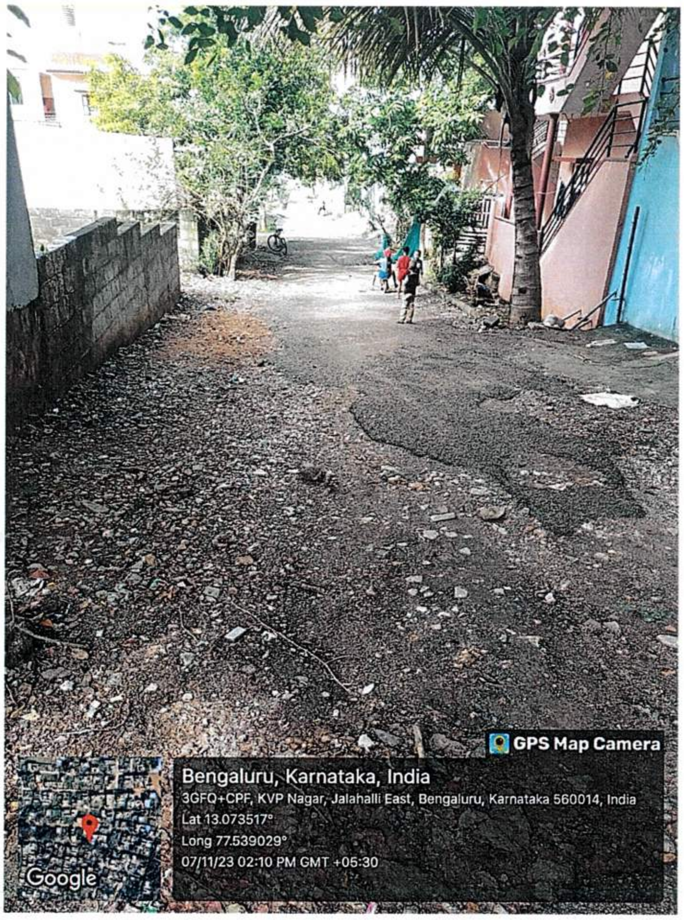
Google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3GFQ+CPF, KVP Nagar, Jalahalli East, Bengaluru, Karnataka 560014, India
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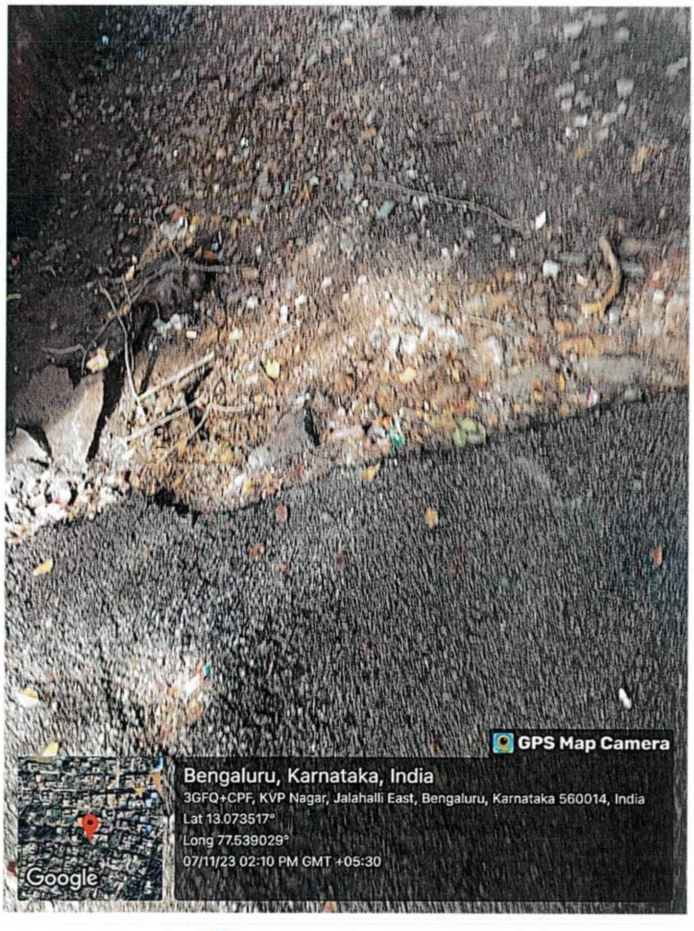
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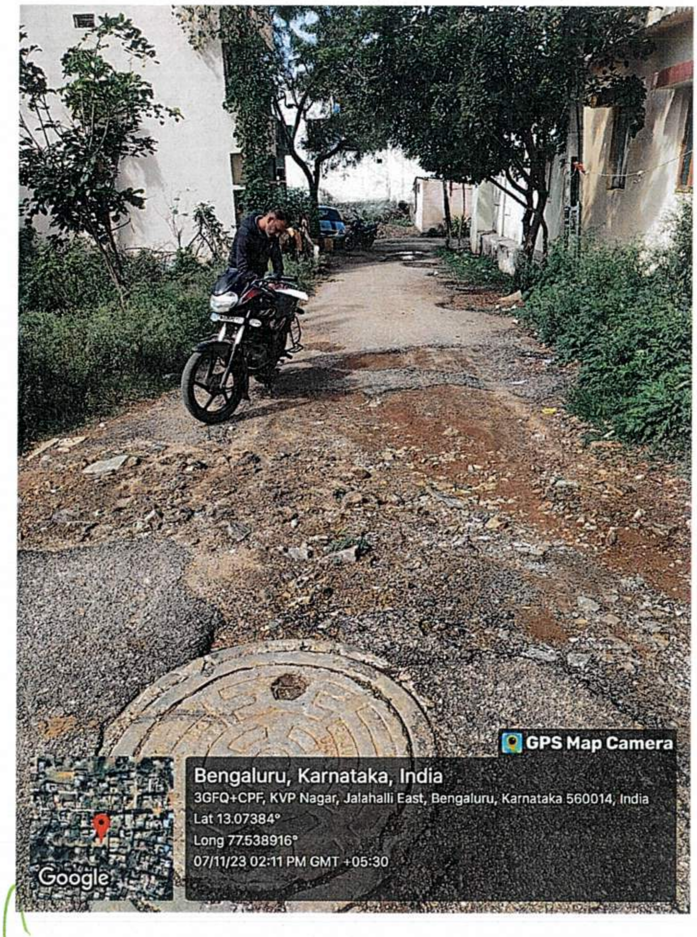
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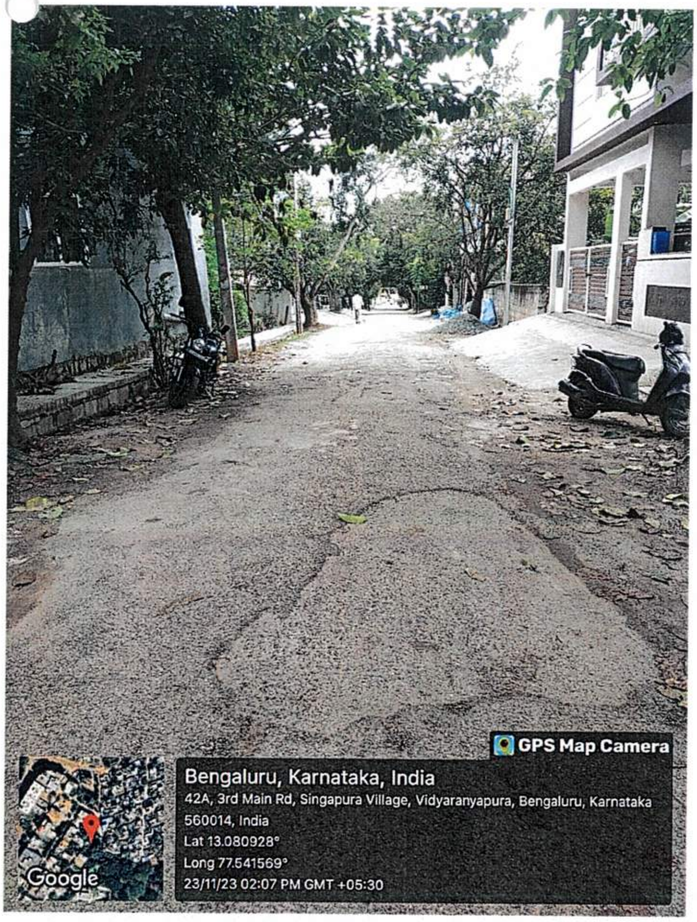
Google

AEE (VRP) SD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Long 77.541569°
23/11/23 02:07 PM GMT +05:30
Google

GPS Map Camera
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42A, 3rd Main Rd, Singapura Village, Vidyaranyapura, Bengaluru, Karnataka 560014, India
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Long 77.541569°
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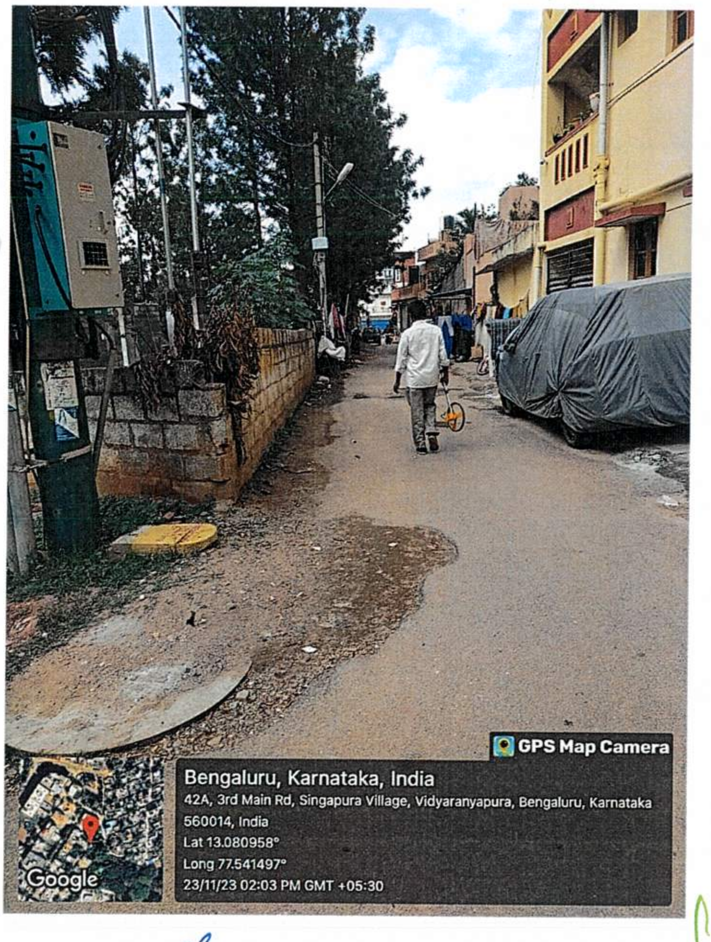
Google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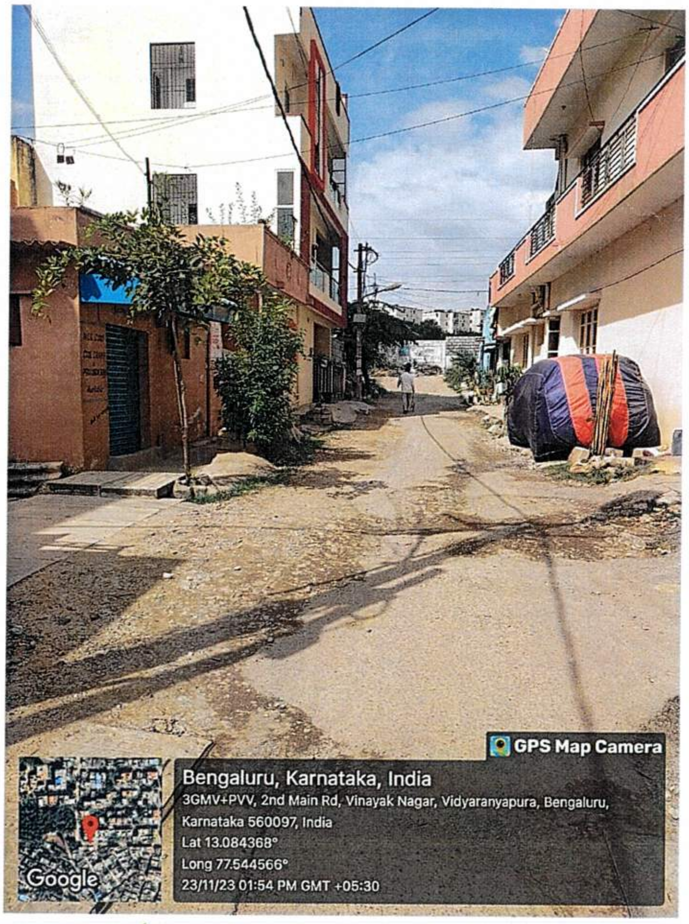
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3GMV+PVV, 2nd Main Rd, Vinayak Nagar, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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Google

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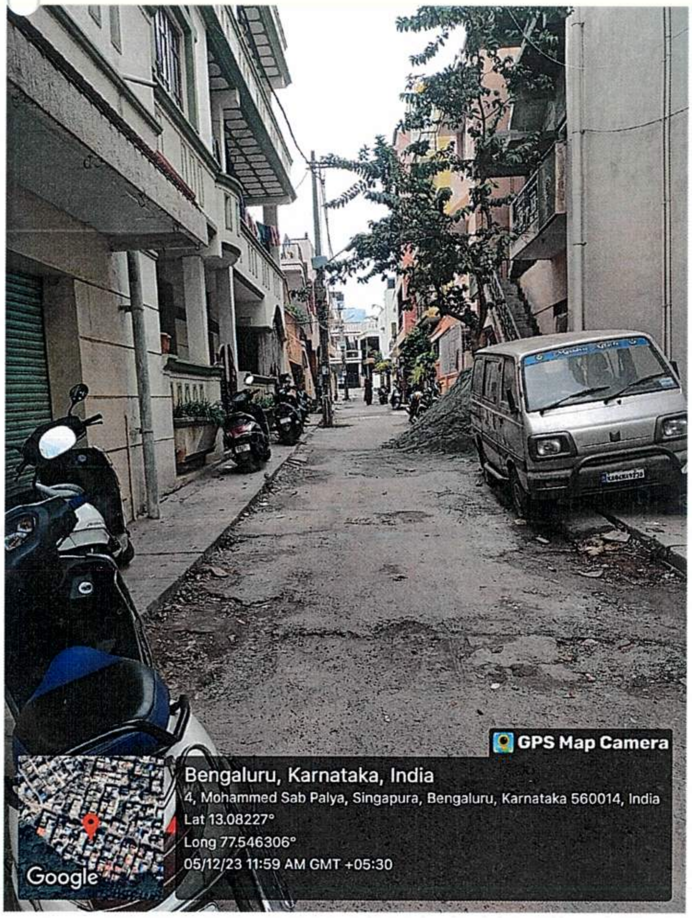
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Bengaluru, Karnataka, India
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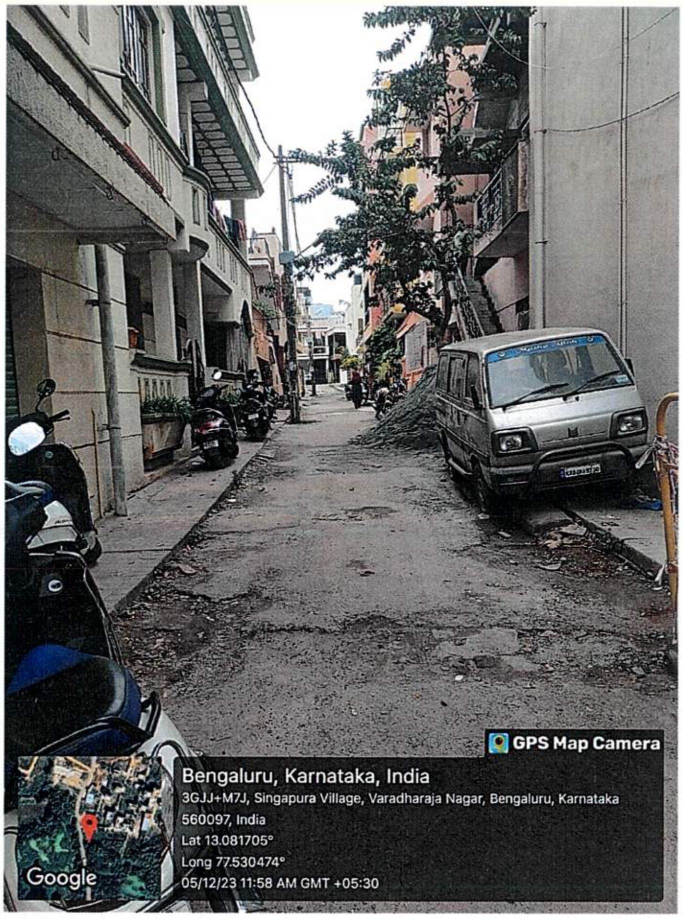
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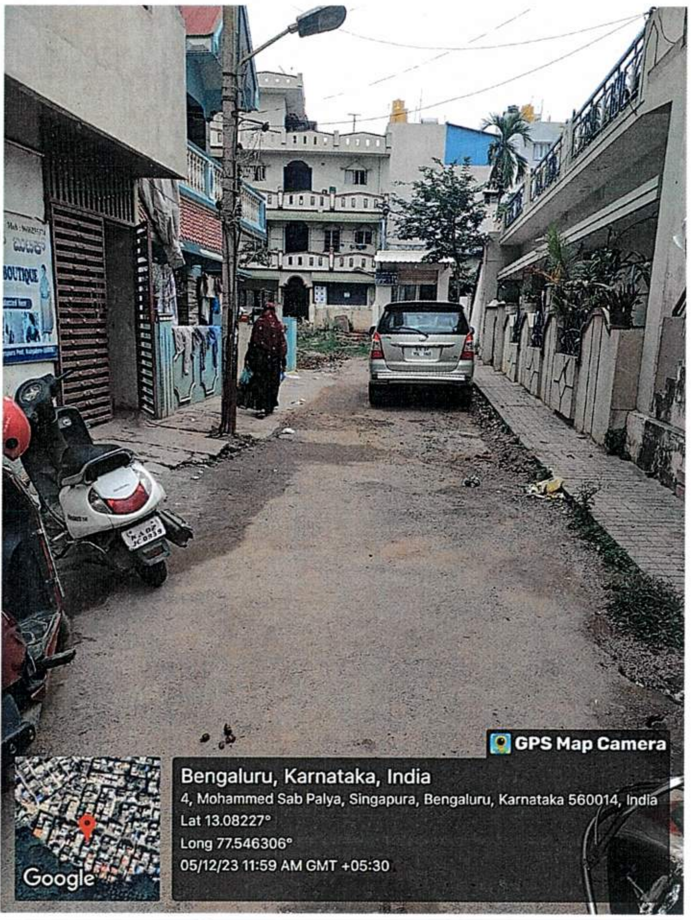
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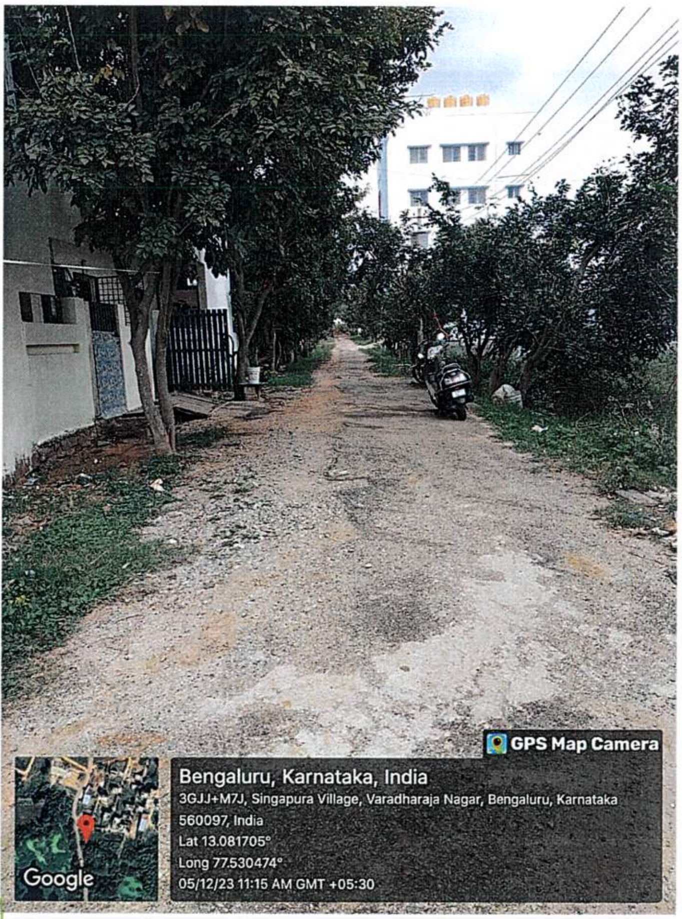
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3GJJ+M7J, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560097, India
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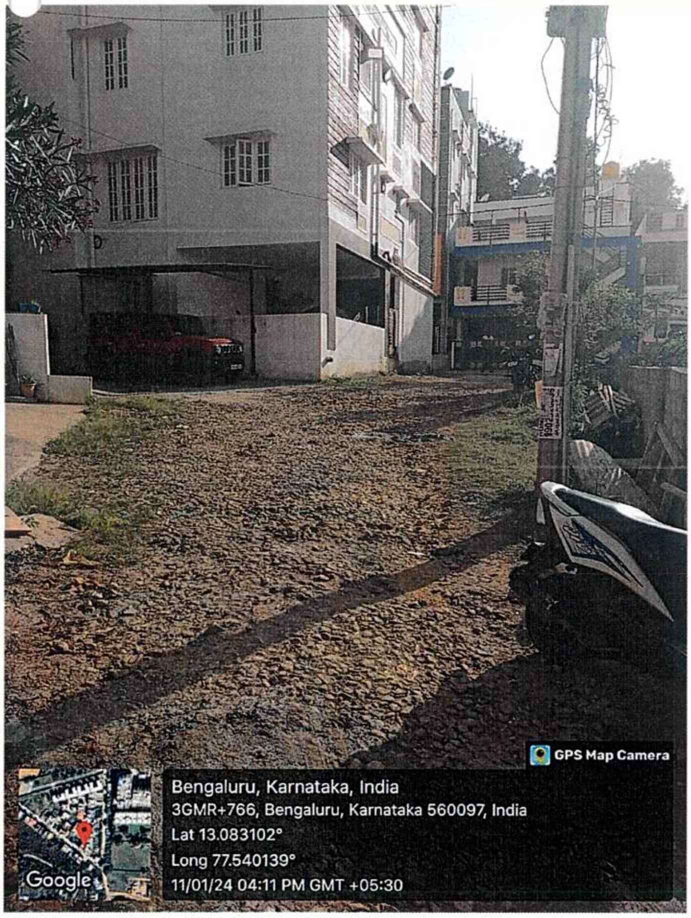
AEE (VRP) SD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Google
Bengaluru, Karnataka, India
3GMR+766, Bengaluru, Karnataka 560097, India
Lat 13.083102°
Long 77.540139°
11/01/24 04:11 PM GMT +05:30

GPS Map Camera
Google
Bengaluru, Karnataka, India
3GMR+766, Bengaluru, Karnataka 560097, India
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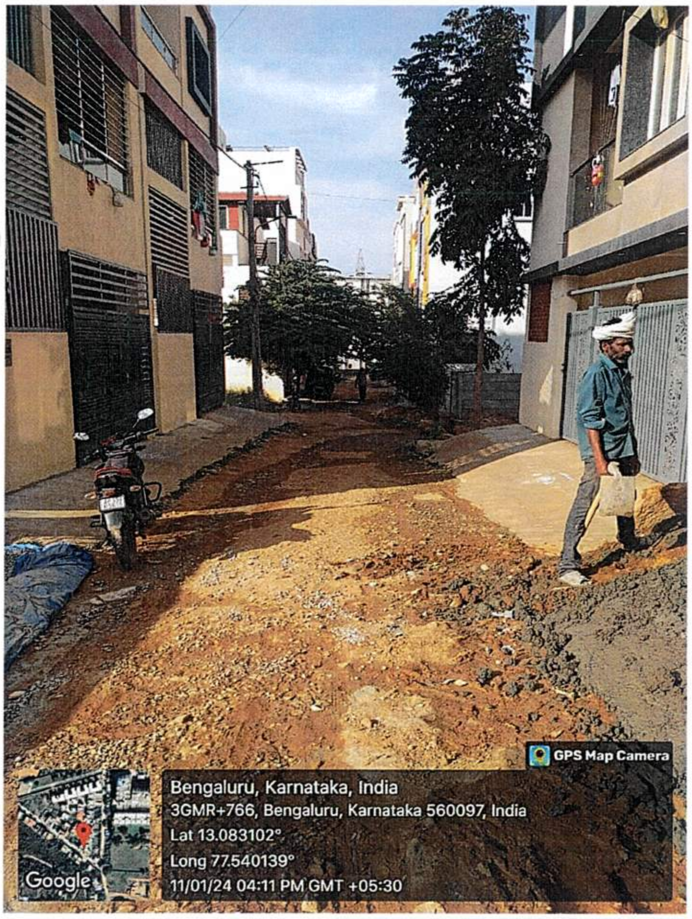
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Bengaluru, Karnataka, India
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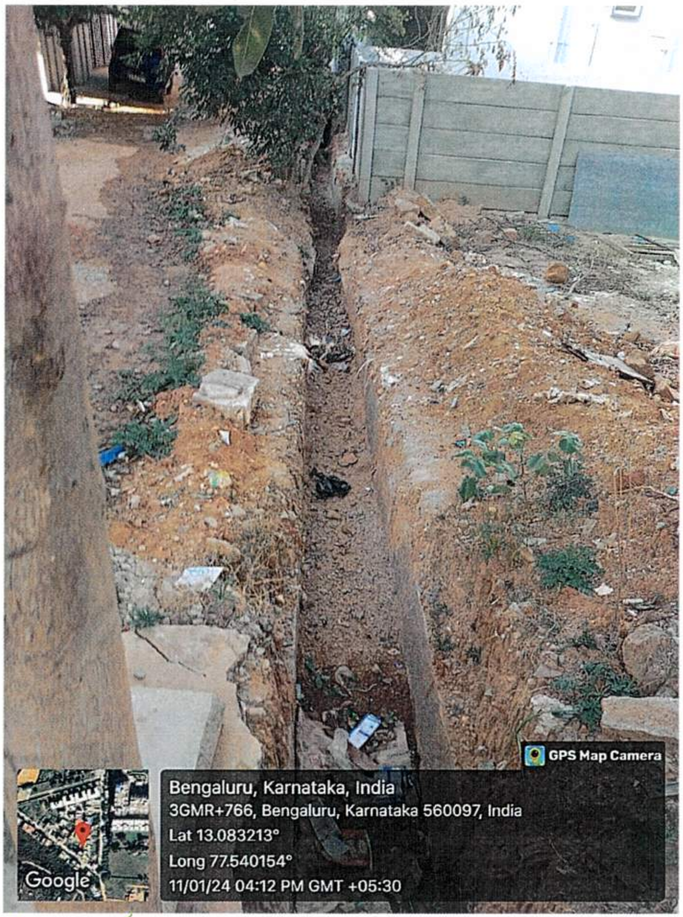
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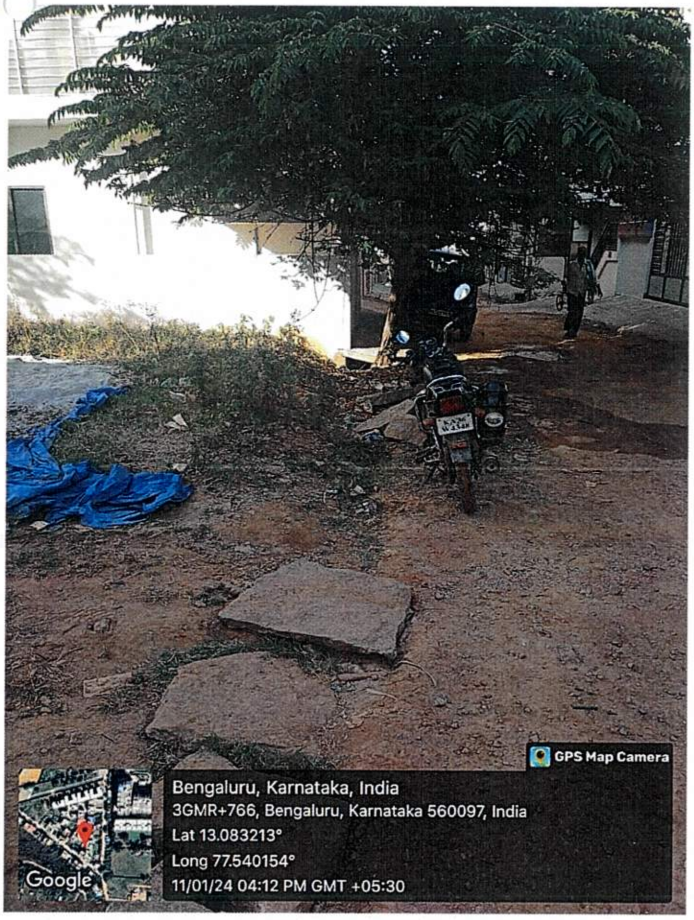
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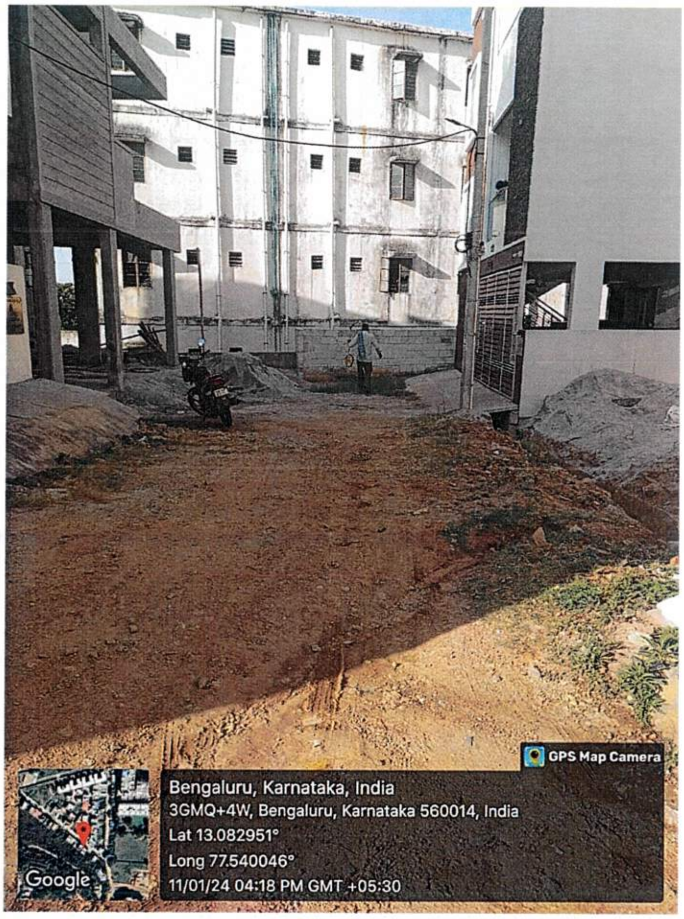
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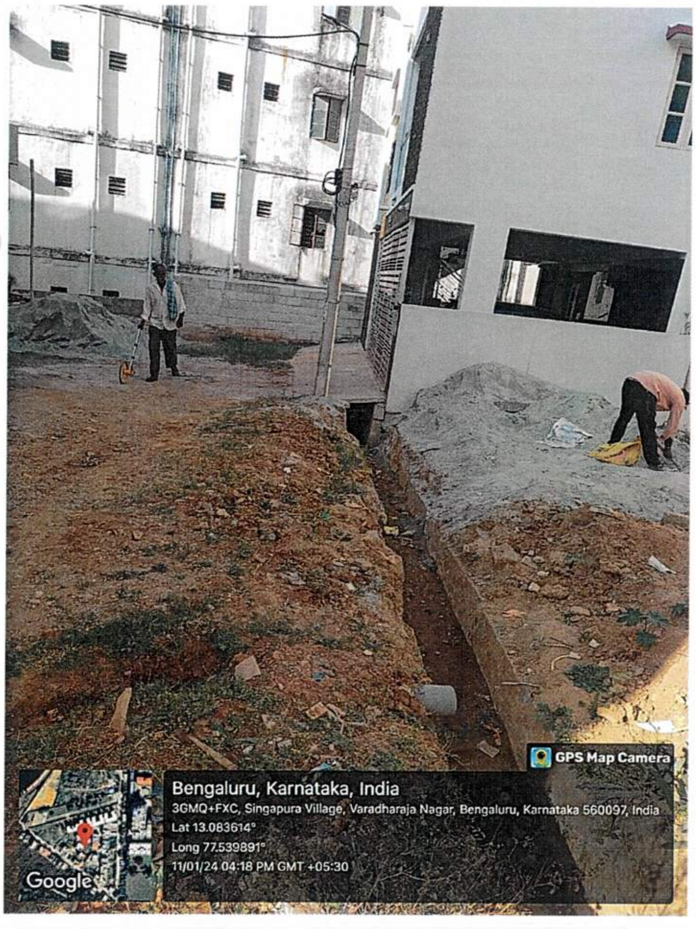
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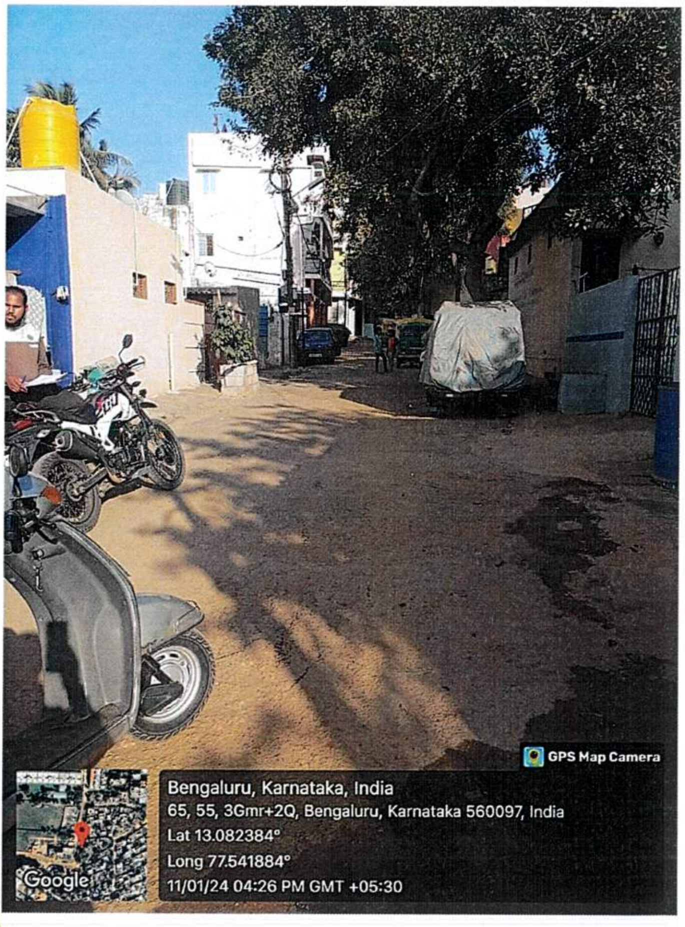
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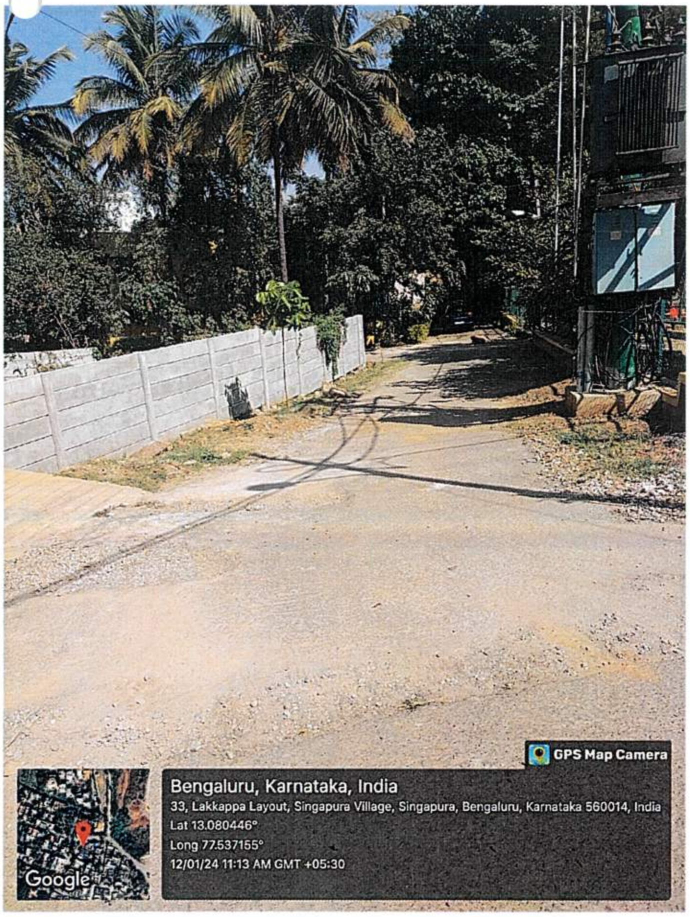
ABE (VRP) SD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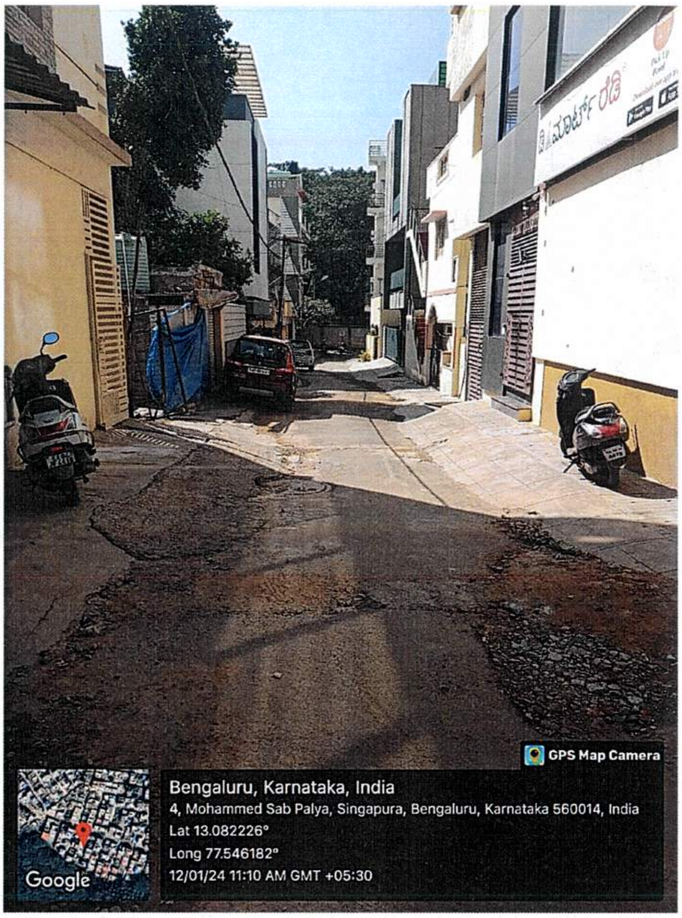
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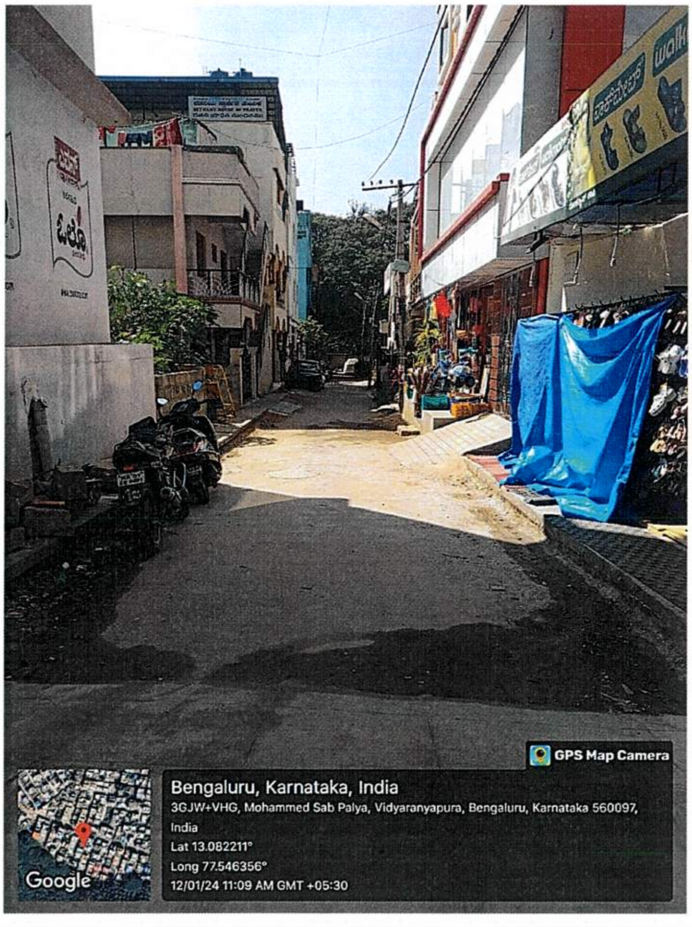
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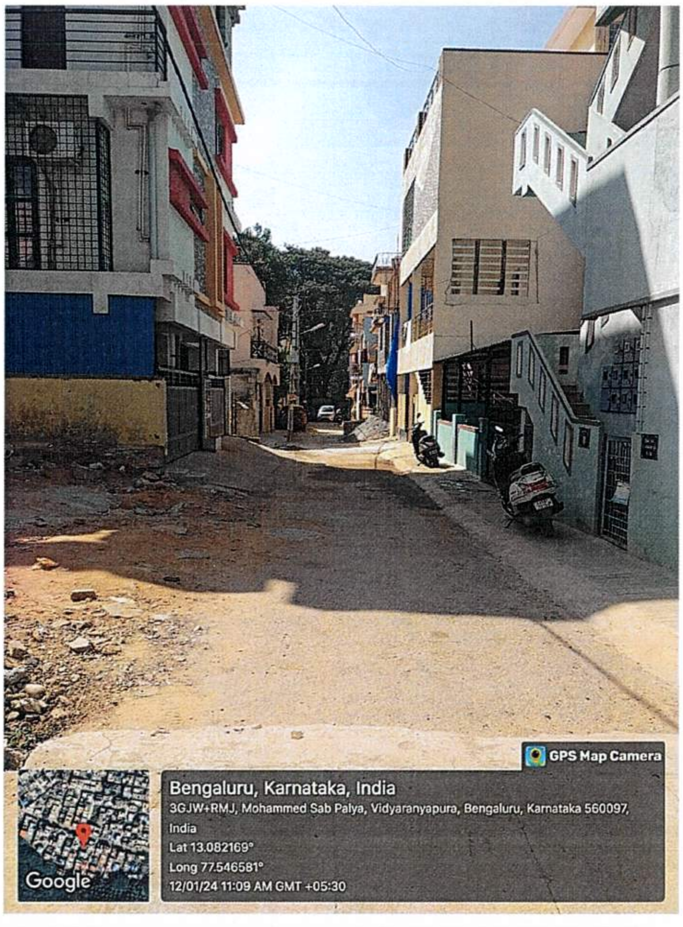
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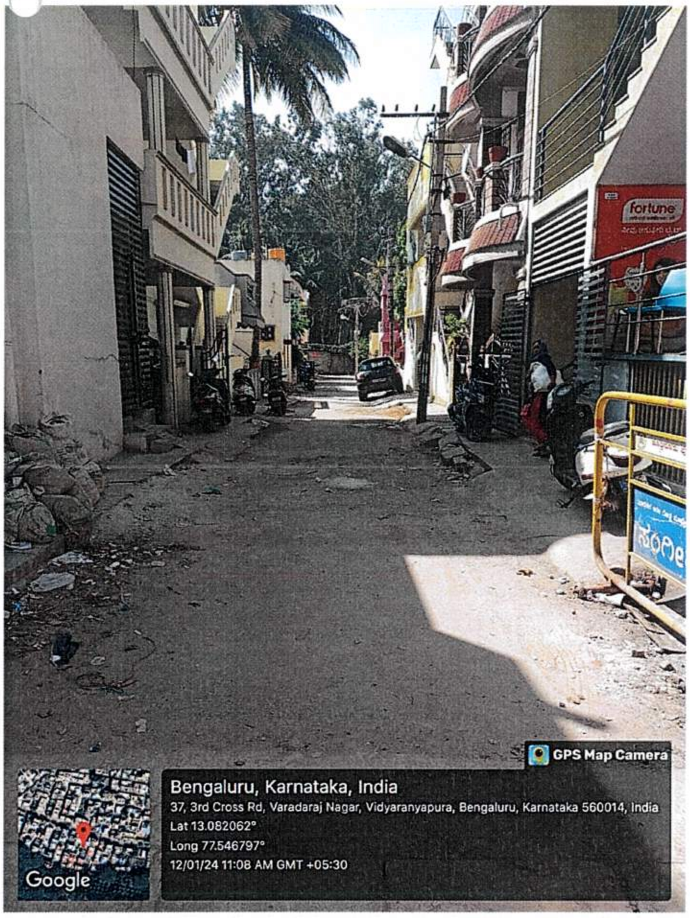
ABE (VRP) SD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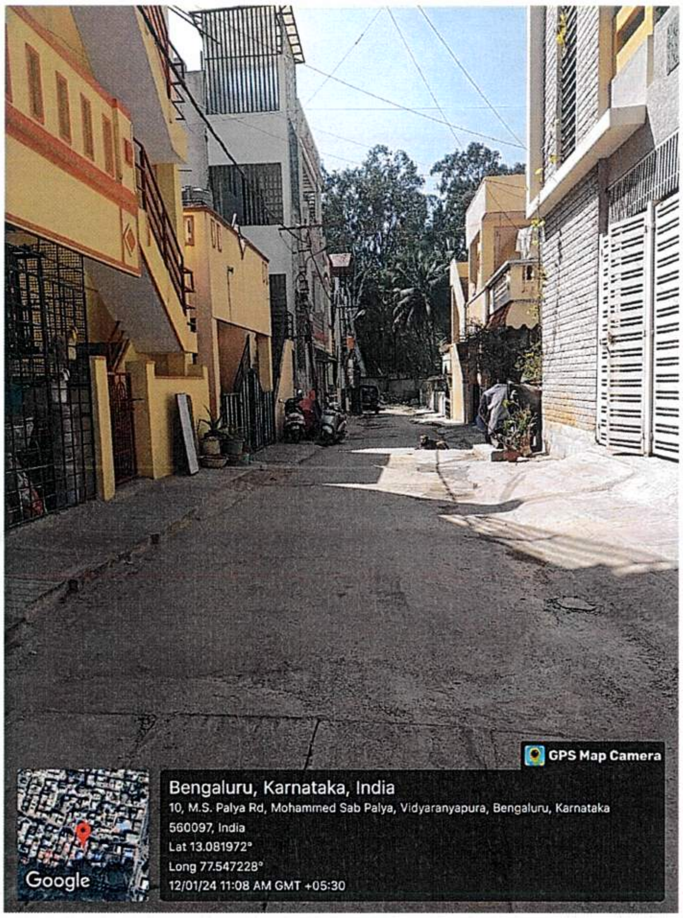
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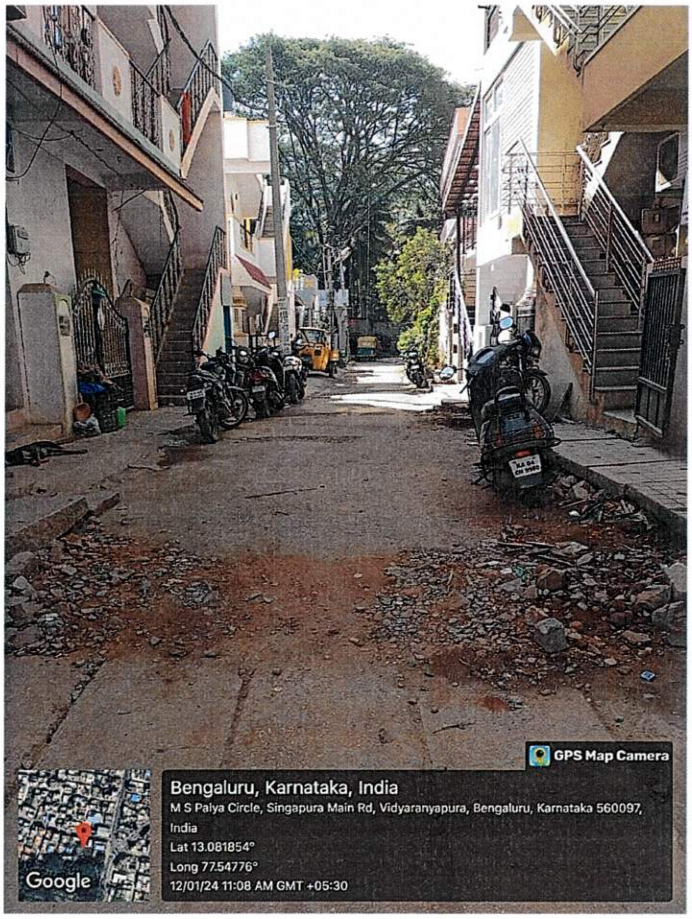
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M S Palya Circle, Singapura Main Rd, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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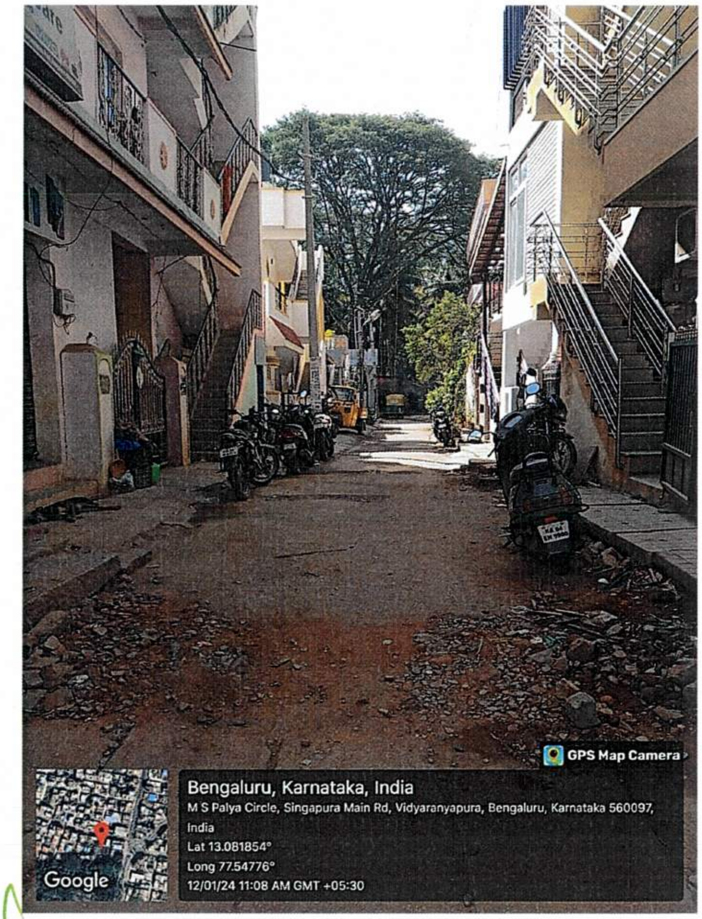
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M S Palya Circle, Singapura Main Rd, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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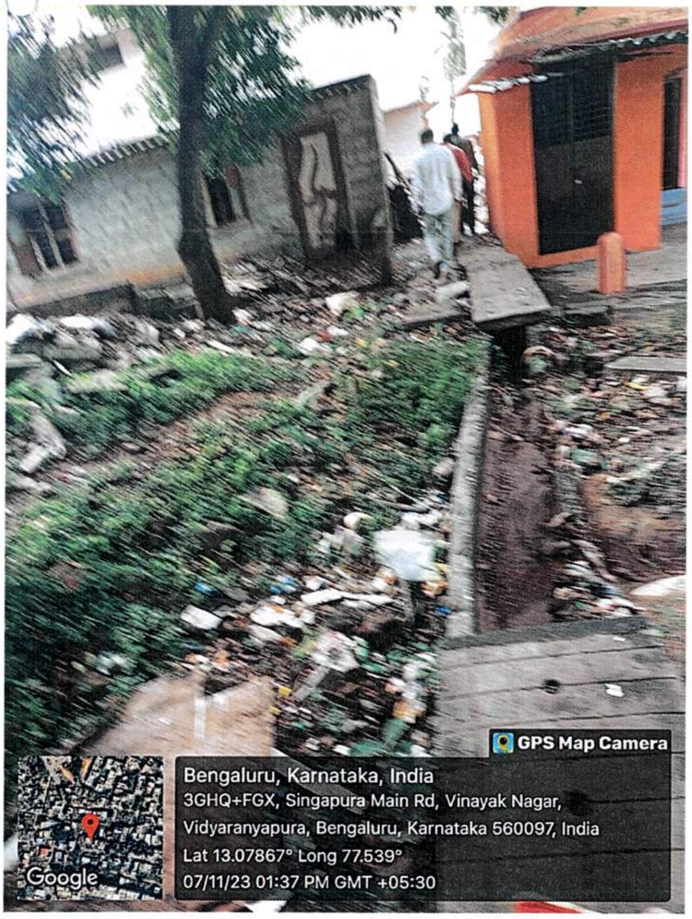
AEE (VRP) SD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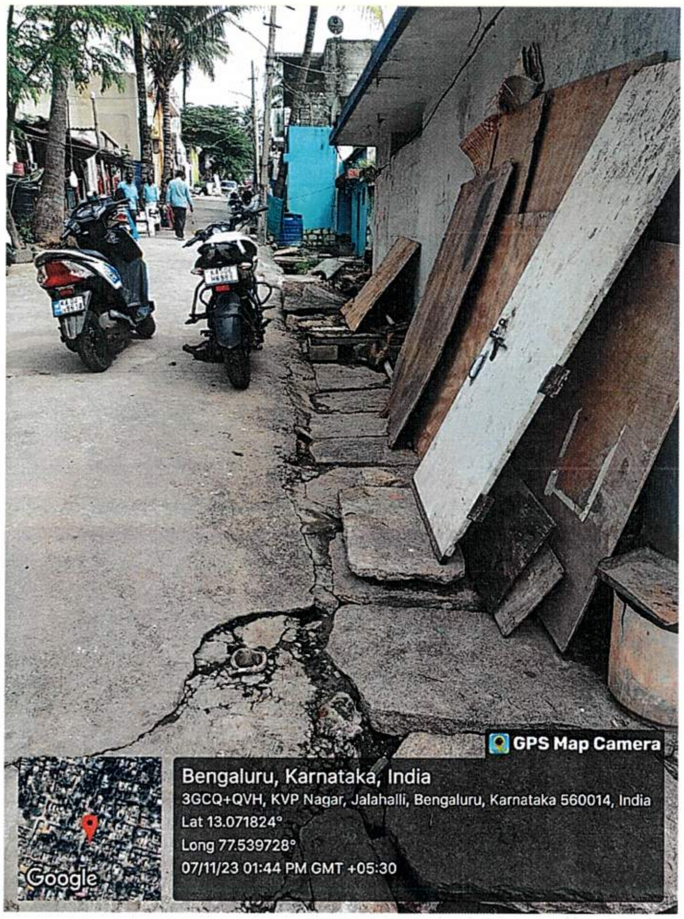
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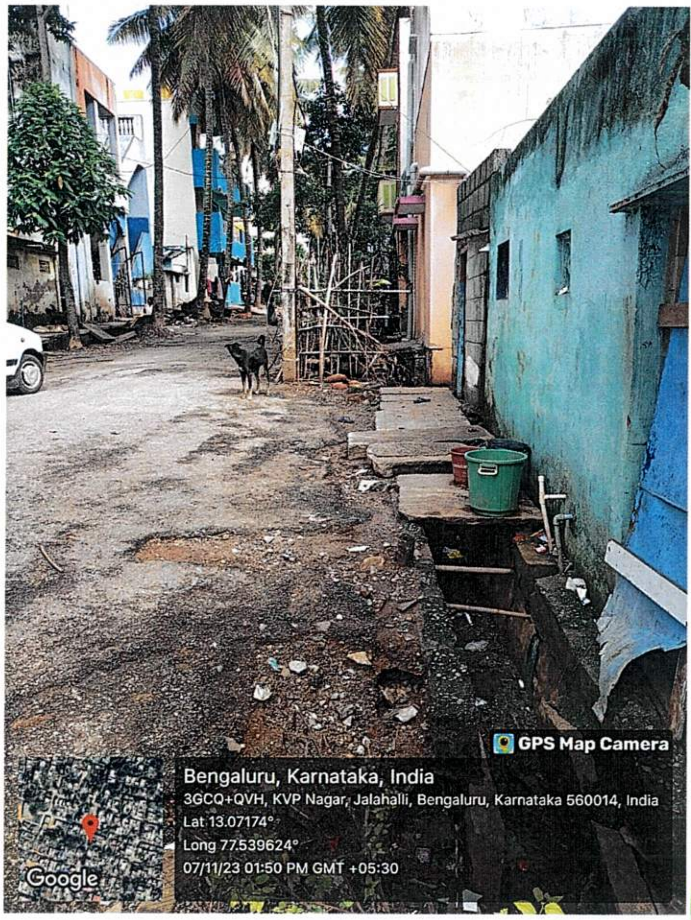
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GPS Map Camera
Google
Bengaluru, Karnataka, India
3GCQ+QVH, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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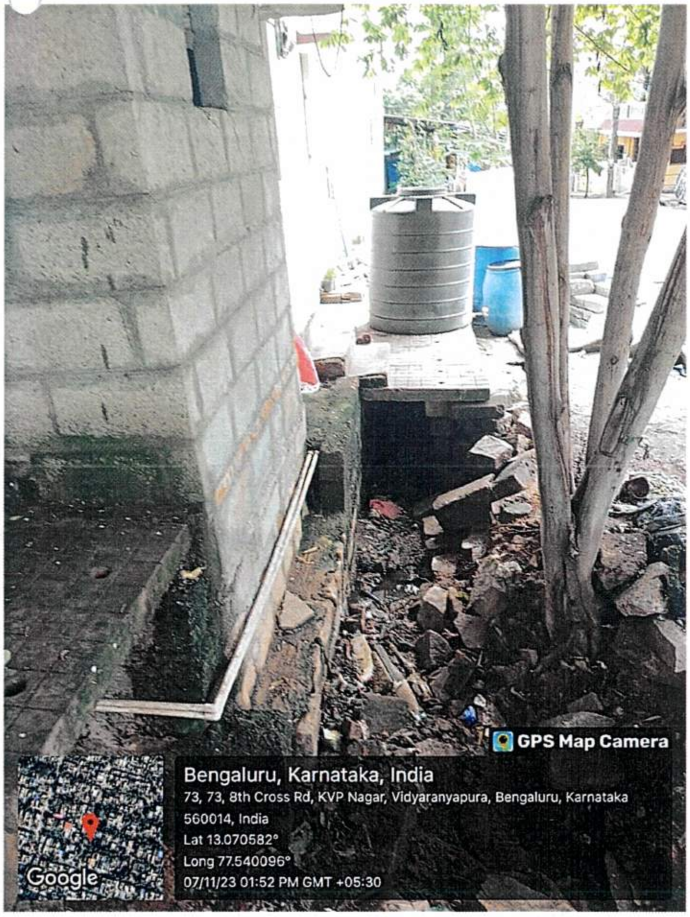
ABE (VRP) SD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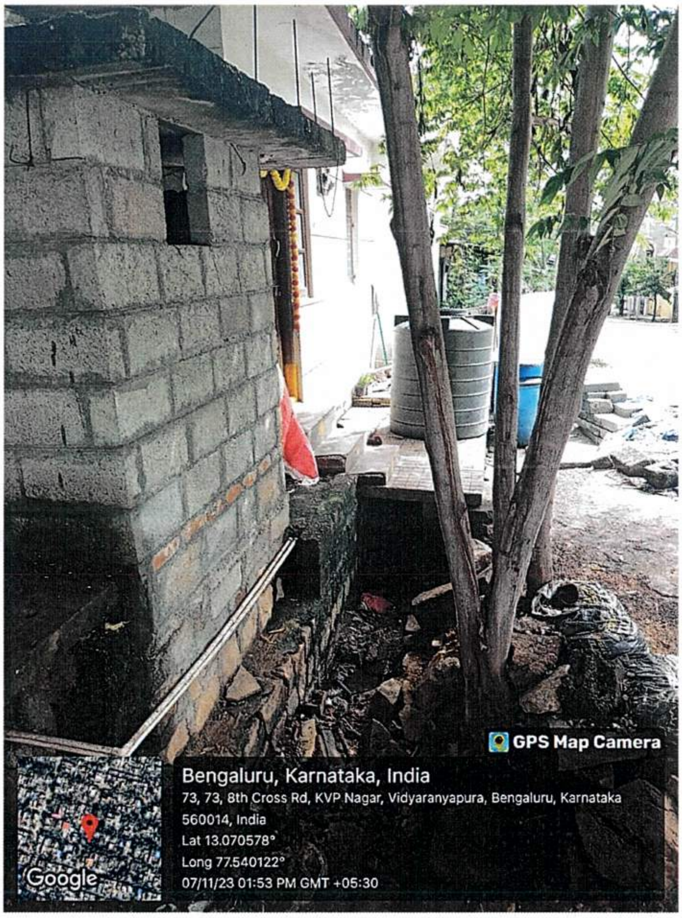
Google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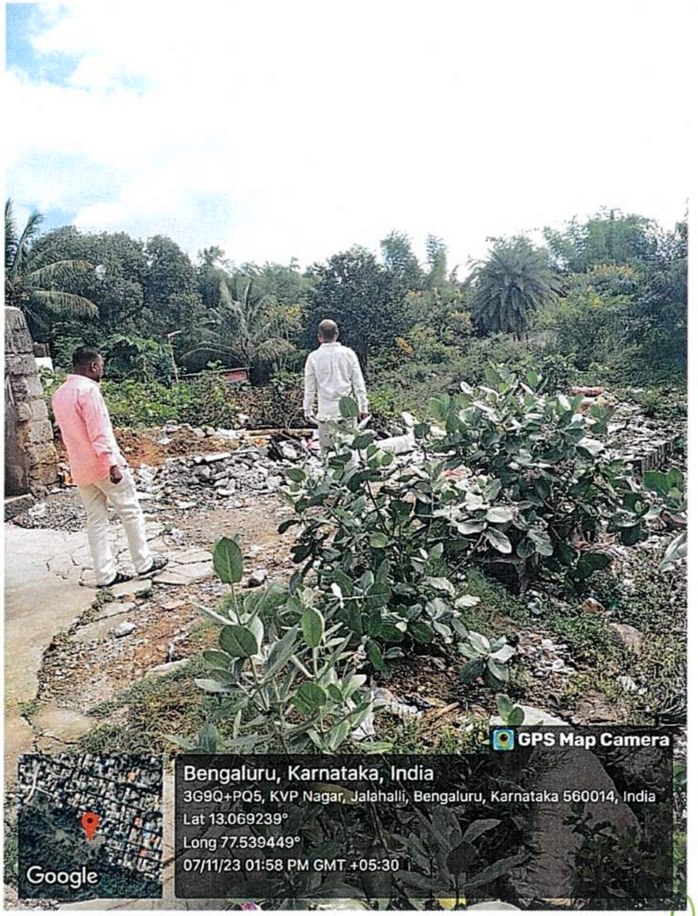
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3G9Q+PQ5, KVP Nagar, Jalahalli, Bengaluru, Karnataka 560014, India
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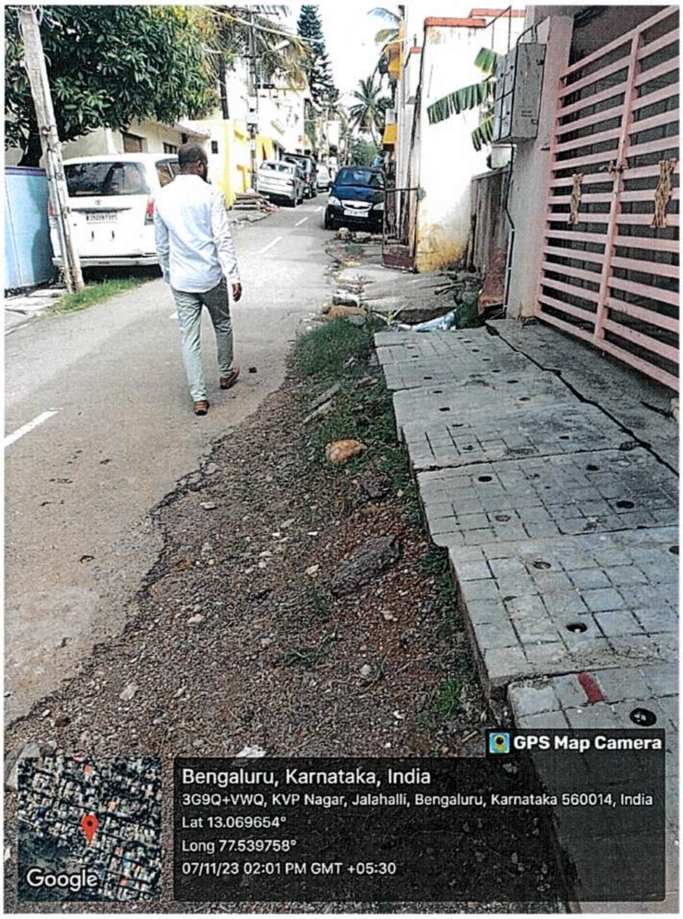
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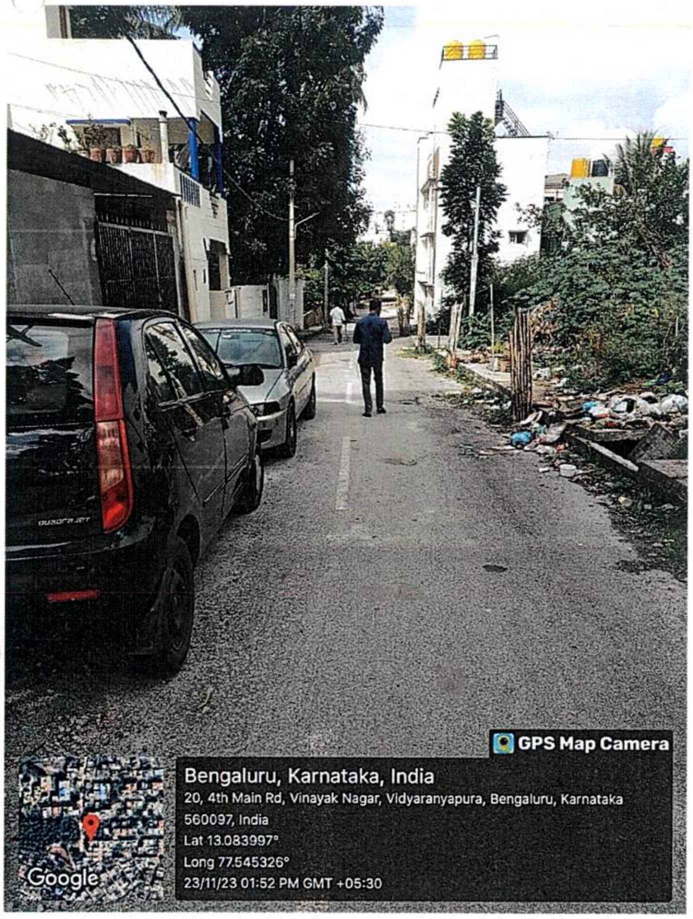
Google

ABE (VRP) SD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20, 4th Main Rd, Vinayak Nagar, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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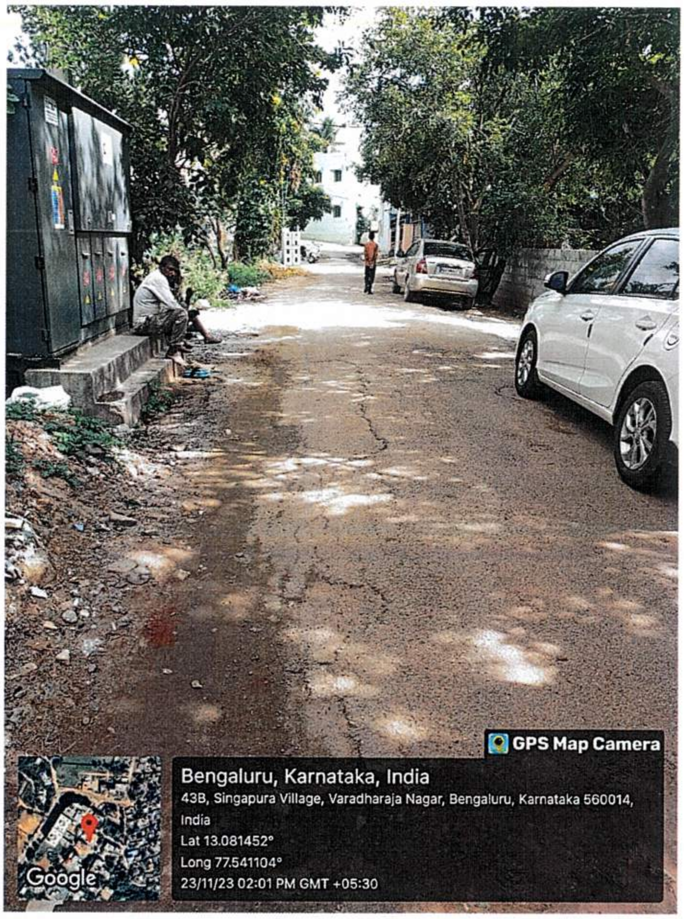
Google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43B, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560014, India
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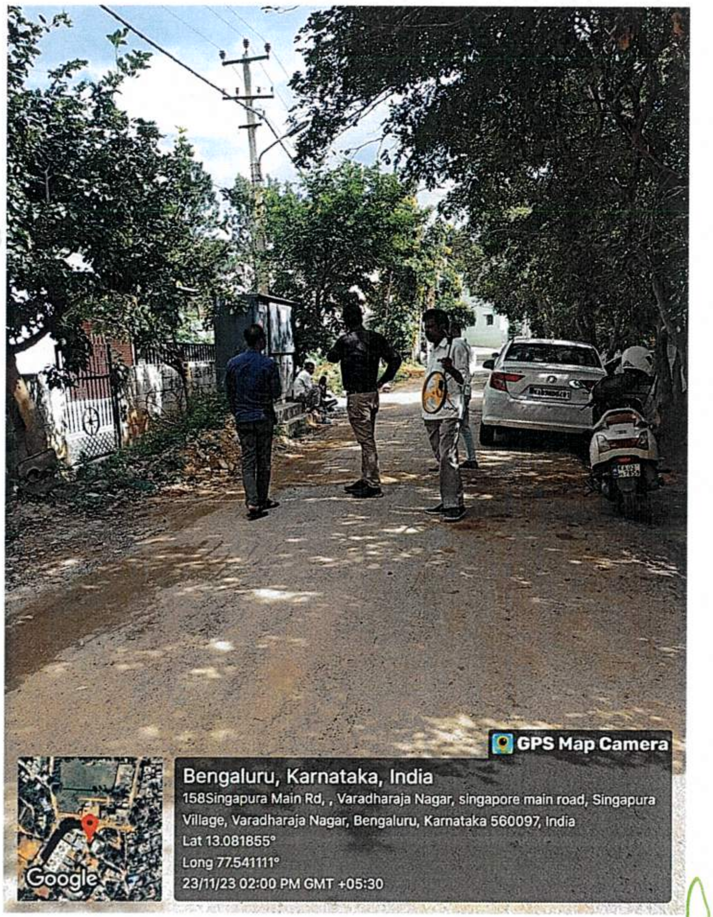
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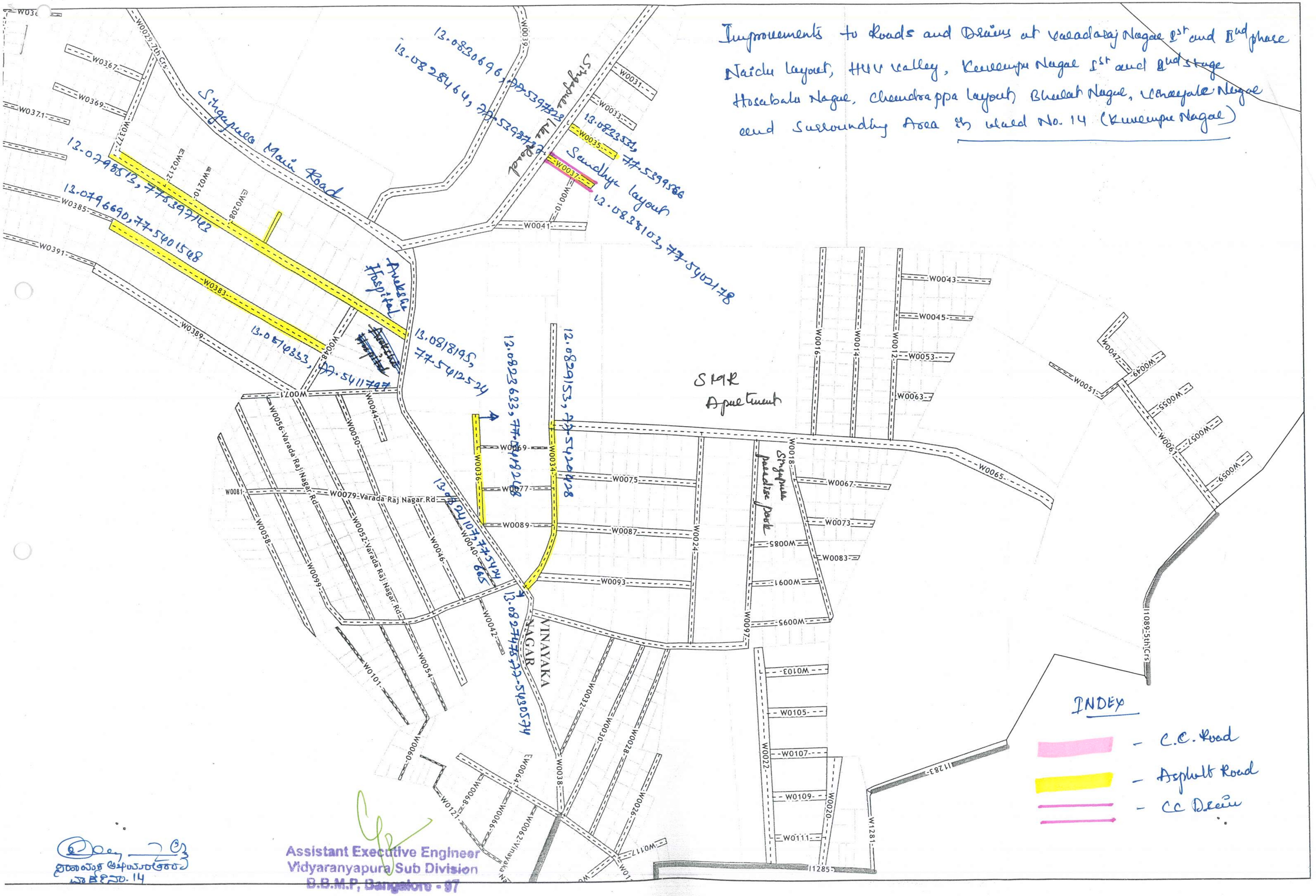
158Singapura Main Rd, , Varadharaja Nagar, singapore main road, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560097, India
Lat 13.081855°
Long 77.541111°
23/11/23 02:00 PM GMT +05:30
Google

GPS Map Camera
Bengaluru, Karnataka, India
158Singapura Main Rd, , Varadharaja Nagar, singapore main road, Singapura Village, Varadharaja Nagar, Bengaluru, Karnataka 560097, India
Lat 13.081855°
Long 77.541111°
23/11/23 02:00 PM GMT +05:30
Google

ABE (VRP) SD

Improvements to Roads and Drains at Varadaraj Nagar Ist and IInd phase Naidu layout, HMV valley, Kuvempu Nagar Ist and IInd stage Hosabalu Nagar, Chandrappa layout Bharat Nagar, Vinayaka Nagar and Surrounding Area in Ward No. 14 (Kuvempu Nagar)


W0029-7th Crs
W0367
W0369
W0371
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W0389
W0383
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EW0210
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W0037
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Singapura Lake Road
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W0048
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W0050
W0056-Varada Raj Nagar Rd
W0081
W0079-Varada Raj Nagar Rd
W0058
W0052-Varada Raj Nagar Rd
W0099
W0046
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W0054
W0101
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W0034
W0069
W0077
W0089
W0075
W0087
W0093
SMR Apartment
W0016
W0014
W0012
W0043
W0045
W0053
W0063
W0065
W0018
Singapura paradise park
W0067
W0073
W0085
W0083
W0091
W0095
W0024
W0097
W0047
W0049
W0051
W0055
W0057
W0061
W0059
VINAYAKA NAGAR
W0032
W0030
W0028
W0026
W0038
EW0064
W0062-Vinayaka
W0066
W0068
W0121
W0117
W0103
W0105
W0107
W0109
W0111
W0022
W0020
I1089-5th Crs
I1283
I1281
I1285
INDEX
- C.C. Road
- Asphalt Road
- CC Drain

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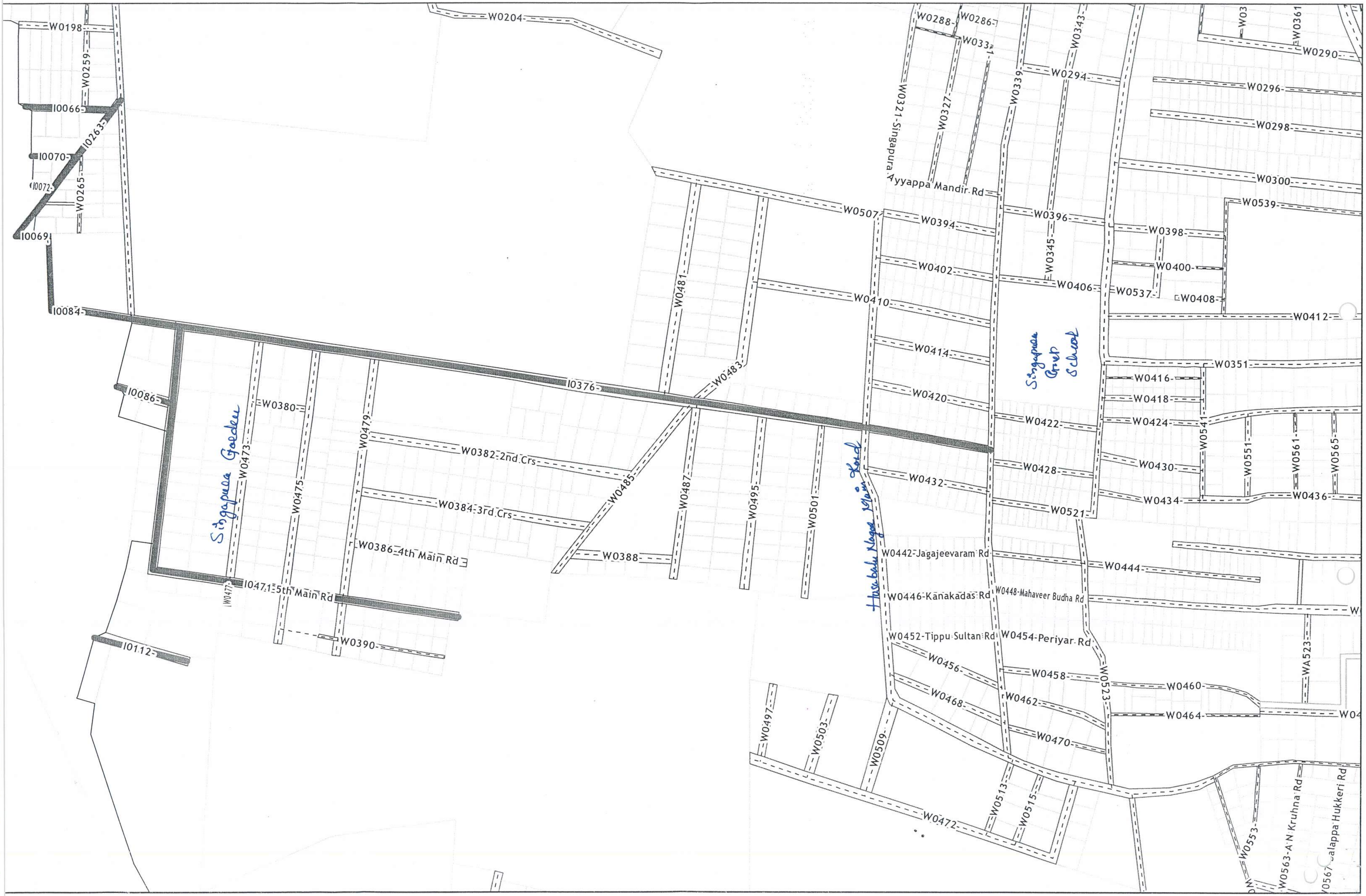
Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97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W0204
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I0376
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I0086
W0380
W0473
W0475
W0479
W0382-2nd Crs
W0384-3rd Crs
W0485
W0386-4th Main Rd
W0388
W0487
W0495
W0501
W0481
I0471-5th Main Rd
W0477
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W0503
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W0402
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W0414
W0420
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W0442-Jagajeevaram Rd
W0446-Kanakadas Rd
W0448-Mahaveer Budha Rd
W0452-Tippu Sultan Rd
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WA523
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W0563-A N Kruhna Rd
W0567-alappa Hukkeri Rd
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W0321-Singapura Ayyappa Mandir Rd
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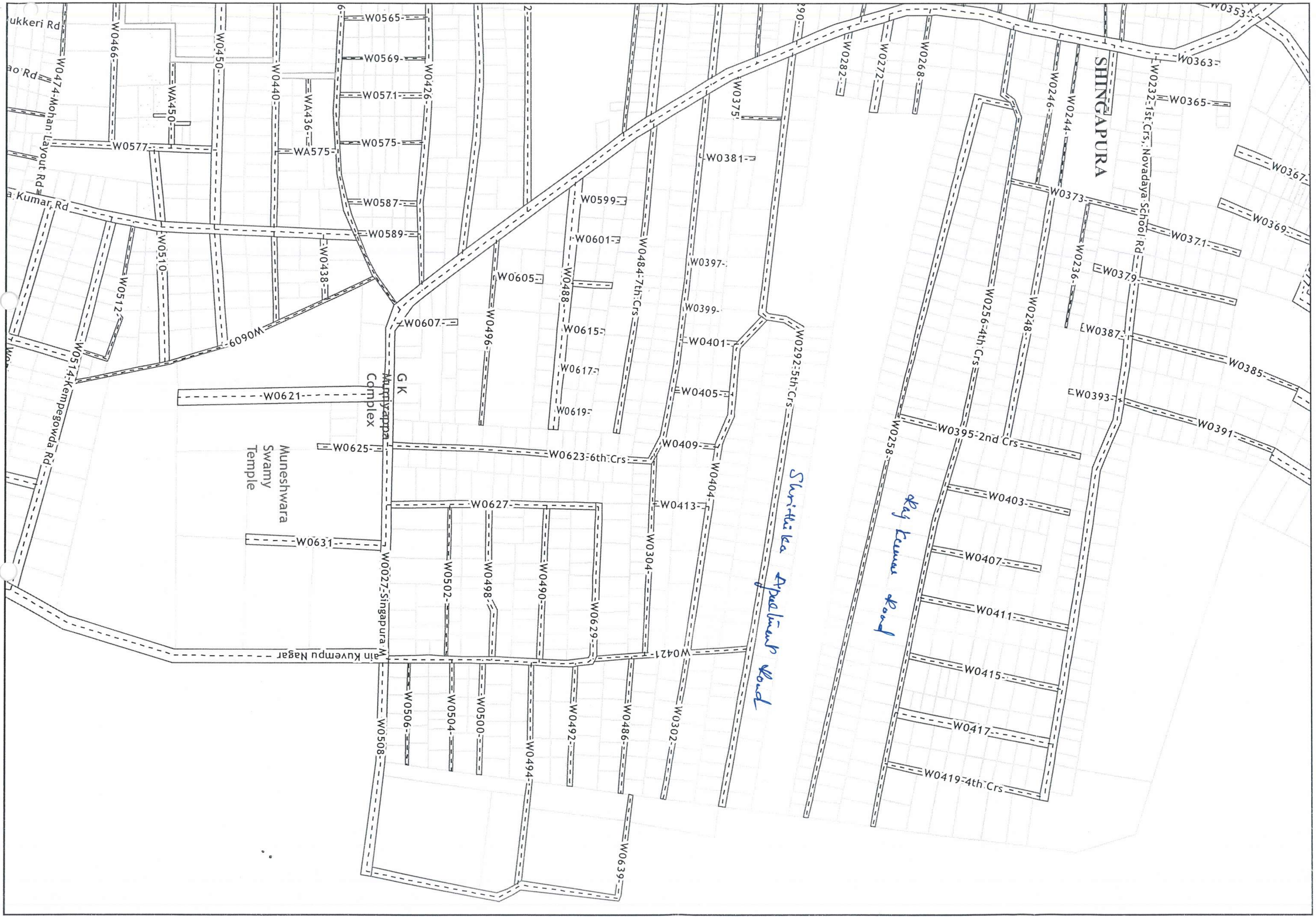
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WA436
WA575
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W0571
W0575
W0426
W0587
W0589
a Kumar Rd
W0510
W0512
W0438
6090W
W0514-Kempegowda Rd
W0607
G K Muniyappa Complex
W0621
Muneshwara Swamy Temple
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W0631
W0627
W0623-6th Crs
W0605
W0496
W0599
W0601
W0488
W0615
W0617
W0619
W0484-7th Crs
W0397
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W0409
W0413
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W0375
W0027-Singapura Main Kuvempu Nagar
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W0421
W0304
W0404
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W0292-5th Crs
W0282
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W0258
W0256-4th Crs
W0248
W0246
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W0236
W0232-1st Crs, Novadaya School Rd
SHINGAPURA
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W0363
W0365
W0367
W0369
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W0373
W0379
W0387
W0385
W0393
W0391
W0395-2nd Crs
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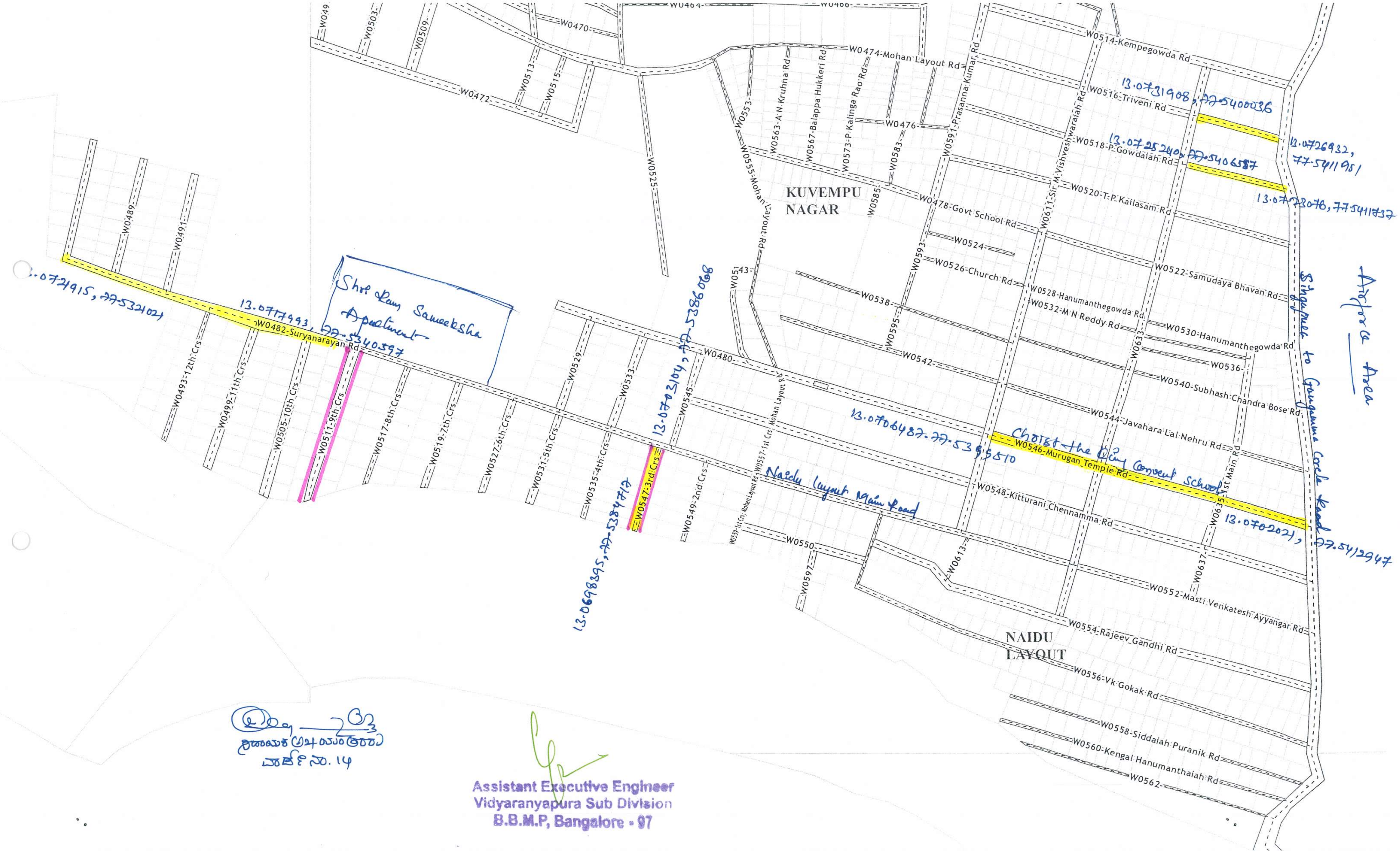
W0419-4th Crs
Shrithika Apartment Road
Raj Kumar Road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W0567-Balappa Hukkeri Rd
W0573-P Kalinga Rao Rd
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W0476
W0591-Prasanna Kumar Rd
W0514-Kempegowda Rd
W0516-Triveni Rd
W0518-P Gowdaiah Rd
W0520-T P Kailasam Rd
W0611-Sir M Vishveshwaraiah Rd
W0555-Mohan Layout Rd
KUVEMPU NAGAR
W0585
W0478-Govt School Rd
W0524
W0593
W0526-Church Rd
W0522-Samudaya Bhavan Rd
W0528-Hanumanthegowda Rd
W0532-M N Reddy Rd
W0530-Hanumanthegowda Rd
W0538
W0595
W0542
W0633
W0536
W0540-Subhash Chandra Bose Rd
W0543
W0489
W0491
W0482-Suryanarayan Rd
W0480
W0493-12th Crs
W0499-11th Crs
W0505-10th Crs
W0511-9th Crs
W0517-8th Crs
W0519-7th Crs
W0527-6th Crs
W0529
W0531-5th Crs
W0533
W0535-4th Crs
W0545
W0547-3rd Crs
W0549-2nd Crs
W0559-1st Crs, Mohan Layout Rd
W0557-1st Crs, Mohan Layout Rd
W0544-Javahara Lal Nehru Rd
W0546-Murugan Temple Rd
W0548-Kitturani Chennamma Rd
W0635-1st Main Rd
W0550
W0597
W0613
W0637
W0552-Masti Venkatesh Ayyangar Rd
W0554-Rajeev Gandhi Rd
NAIDU LAYOUT
W0556-Vk Gokak Rd
W0558-Siddaiah Puranik Rd
W0560-Kengal Hanumanthaiah Rd
W0562
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Christ the King Convent School
Naidu Layout Main Road
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Assistant Executive Engineer
Vidyaranyapura Sub Division
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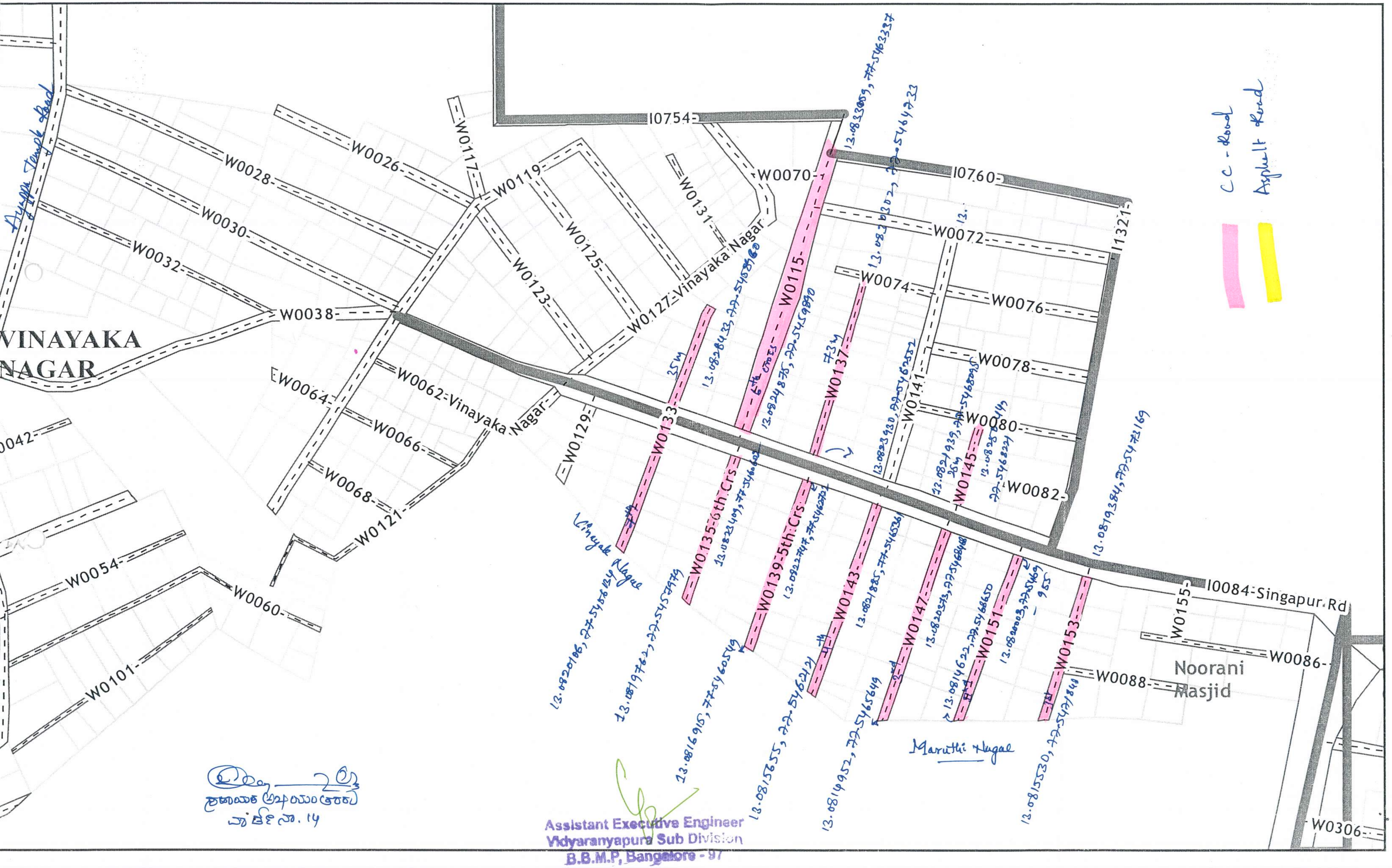
VINAYAKA NAGAR
Ayyappa Temple Road
I0754
I0760
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I0084-Singapur Rd
W0026
W0028
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W0032
W0038
W0042
W0054
W0060
W0062-Vinayaka Nagar
W0064
W0066
W0068
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W0080
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W0086
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W0121
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W0125
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W0135-6th Crs
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13.0815530, 77.5471848
Vinayak Nagar
Maruthi Nagar
CC - Road
Asphalt Road
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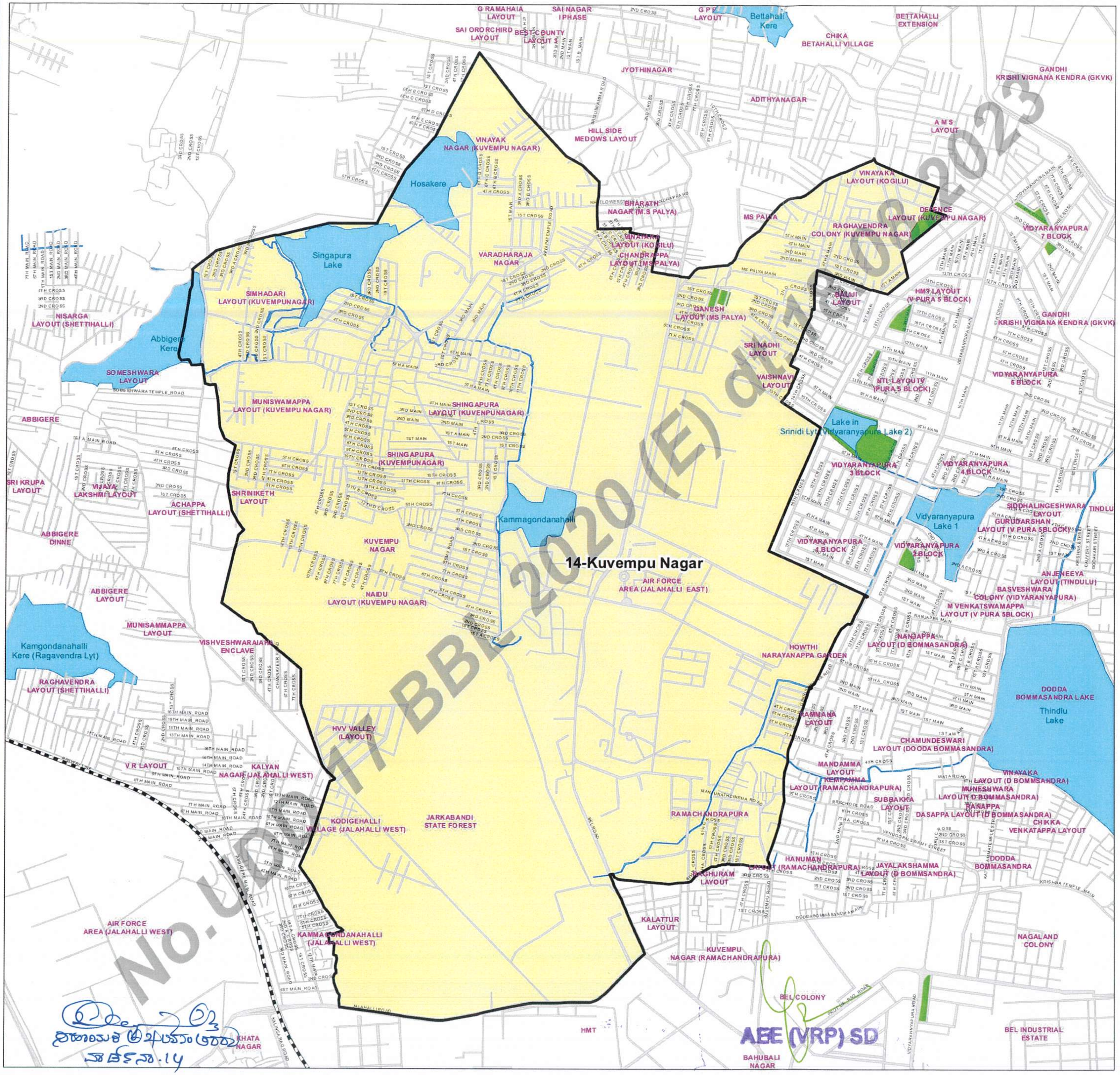
Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97


G RAMAHAIA LAYOUT
SAI NAGAR I PHASE
SAI ORORCHIRD LAYOUT
BEST-COUNTY LAYOUT 1
G P E LAYOUT
Bettahalli Kere
BETTAHALLI EXTENSION
CHIKA BETAHALLI VILLAGE
JYOTHINAGAR
GANDHI KRISHI VIGNANA KENDRA (GKVK)
ADITHYANAGAR
A M S LAYOUT
VINAYAK NAGAR (KUVEMPU NAGAR)
HILL SIDE MEDOWS LAYOUT
Hosakere
VINAYAKA LAYOUT (KOGILU)
BHARATHI NAGAR (M.S PALYA)
MS PALYA
DEFENCE LAYOUT (KUVEMPU NAGAR)
RAGHAVENDRA COLONY (KUVEMPU NAGAR)
VIDYARANYAPURA 7 BLOCK
Singapura Lake
VARADHARAJA NAGAR
VINAYAKA LAYOUT (KOGILU)
CHANDRAPPA LAYOUT (MS PALYA)
SIMHADARI LAYOUT (KUVEMPUNAGAR)
NISARGA LAYOUT (SHETTIHALLI)
Abbigere Kere
BALAJI LAYOUT
HMT LAYOUT (V PURA 5 BLOCK)
GANESH LAYOUT (MS PALYA)
SRI NADHI LAYOUT
GANDHI KRISHI VIGNANA KENDRA (GKVK)
SOMESHWARA LAYOUT
VAISHNAVI LAYOUT
NTI LAYOUT (V PURA 5 BLOCK)
VIDYARANYAPURA 6 BLOCK
MUNISWAMAPPA LAYOUT (KUVEMPU NAGAR)
SHINGAPURA LAYOUT (KUVENPUNAGAR)
ABBIGERE
Lake in Vidyaranyapura Lake 2)
Srinidi Lyt
SHINGAPURA (KUVEMPUNAGAR)
VIDYARANYAPURA 3 BLOCK
VIDYARANYAPURA 4 BLOCK
SRI KRUPA LAYOUT
VIJAYA LAKSHMI LAYOUT
SHRINIKETH LAYOUT
ACHAPPA LAYOUT (SHETTIHALLI)
Kammagondanahalli
Vidyaranyapura Lake 1
SIDDHALINGESHWARA LAYOUT
TINDLU
GURUDARSHAN LAYOUT (V PURA 5BLOCK)
ABBIGERE DINNE
KUVEMPU NAGAR
VIDYARANYAPURA 2 BLOCK
VIDYARANYAPURA 1 BLOCK
14-Kuvempu Nagar
AIR FORCE AREA (JALAHALLI EAST)
ANJENEEYA LAYOUT (TINDULU)
BASVESHWARA COLONY (VIDYARANYAPURA)
ABBIGERE LAYOUT
NAIDU LAYOUT (KUVEMPU NAGAR)
M VENKATSWAMAPPA LAYOUT (V PURA 5BLOCK)
MUNISAMMAPPA LAYOUT
NANJAPPA LAYOUT (D BOMMASANDRA)
Kamgondanahalli Kere (Ragavendra Lyt)
VISHVESHWARAIAH ENCLAVE
HOWTHI NARAYANAPPA GARDEN
DODDA BOMMASANDRA LAKE
Thindlu Lake
RAGHAVENDRA LAYOUT (SHETTIHALLI)
RAMMANA LAYOUT
HVV VALLEY (LAYOUT)
CHAMUNDESWARI LAYOUT (DOODA BOMMASANDRA)
V R LAYOUT
KALYAN NAGAR (JALAHALLI WEST)
MANDAMMA LAYOUT
KEMPAMMA LAYOUT (RAMACHANDRAPURA)
VINAYAKA LAYOUT (D BOMMASANDRA)
MUNESHWARA LAYOUT (D BOMMASANDRA)
RANAPPA
SUBBAKKA LAYOUT
DASAPPA LAYOUT (D BOMMASANDRA)
CHIKKA VENKATAPPA LAYOUT
KODIGEHALLI VILLAGE (JALAHALLI WEST)
JARKABANDI STATE FOREST
RAMACHANDRAPURA
HANUMAN LAYOUT (RAMACHANDRAPURA)
JAYALAKSHAMMA LAYOUT (D BOMMASANDRA)
DODDA BOMMASANDRA
RAGHURAM LAYOUT
KALATTUR LAYOUT
KAMMAGONDANAHALLI (JALAHALLI WEST)
AIR FORCE AREA (JALAHALLI WEST)
KUVEMPU NAGAR (RAMACHANDRAPURA)
NAGALAND COLONY
BEL COLONY
KHATA NAGAR
HMT
BAHUBALI NAGAR
BEL INDUSTRIAL ESTATE
KALINGA RAO ROAD
KRISHNA TEMPLE MAIN

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AEE (VRP) SD

No.UDD 17 BBL 2020 (E) dt.18.08.2023

Delimitation of Wards in BBMP - 2023

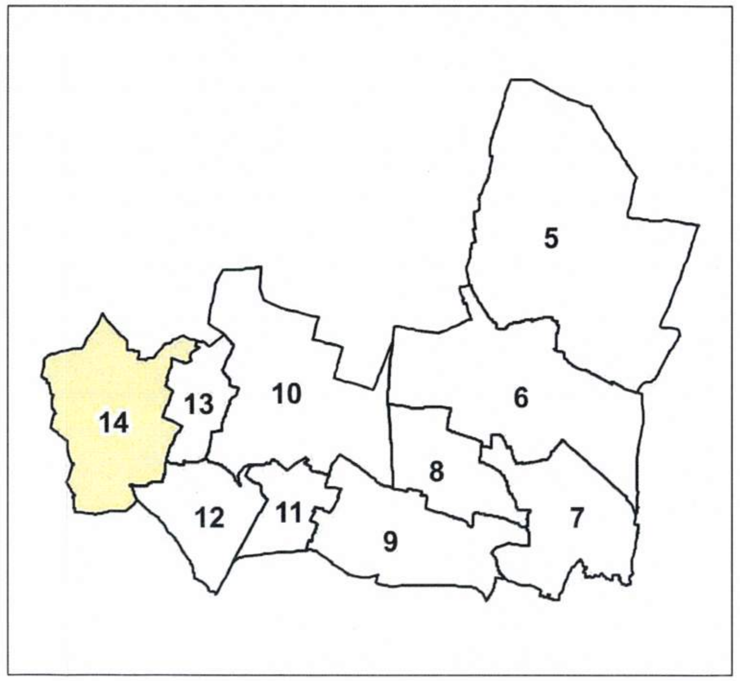
Ward Name

14-Kuvempu Nagar

Legend

▭	Delimited Ward Boundary
🟨	Delimited Ward Area
▭	Road
▬	Railwayline
🟩	Park
🟦	Tank/ Pond/ Storm Water Drain

152- Byatarayanapura AC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Government of Karnataka Notification
No.UDD 17 BBL 2020 (E) dt.18.08.2023

Delimitation Commission

P-4
W-3

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: ***Estimate for Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara).***

Job Code:

P Code: P-

Estimated Cost: Rs. 350.00 Lakh(s)

Bruhat Bangalore Mahanagara Palike
Executive Engineer Bytarayanapura Division

Name of Work: Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara).

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing and resetting of footpath slab **(Approved arrival data rate)**								
	Basic Rate	**235.00**							
		Sqm							
	Covering Slabs Drains								
	Raghavendra Colony								
	3rd Cross Rd	2	99.00	0.90		178.20			
	3rd A cross Rd	2	30.00	0.90		54.00			
	5th Cross Rd	2	96.00	0.90		172.80			
	7th Cross Rd	2	105.00	0.90		189.00			
	Teacher Layout								
	2nd Main Rd	2	147.00	0.90		264.60			
	3rd Main Rd	2	103.00	0.90		185.40			
	Defence Layout								
	Devamatha school Rd	2	245.00	0.90		441.00			
	Devamatha school Cross Rd	2	90.00	0.90		162.00			
	1st Cross burial ground Rd	2	470.00	0.90		846.00			
	Ramachandrapura								
	surrounding Area	2	50.00	0.90		90.00			
						2583.00			
	Consider 60%					1549.80			
	Deduct 30% Missing/Damaged Slab					464.94			
						1084.860	**Sqm**	**235.00**	**254942.10**
2	Removing and resetting stone slabs of drains and pointing in C.M (1:3) **(Approved arrival data rate)**								
	Basic Rate	**121.00**							
		Sqm							
	Bottom Slabs Drains								
	Raghavendra Colony								
	3rd Cross Rd	2	99.00		1.35	267.30			
	3rd A cross Rd	2	30.00		1.35	81.00			
	5th Cross Rd	2	96.00		1.35	259.20			
	7th Cross Rd	2	105.00		1.35	283.50			
	Teacher Layout								
	2nd Main Rd	2	147.00		1.35	396.90			
	3rd Main Rd	2	103.00		1.35	278.10			
						1566.00			
	Consider 30%					469.80			
						469.800	**Sqm**	**121.00**	**56,845.80**
3	Earth work Excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. **(PWD SR 2023-24 Vol -I Pg No 5 item no 1.4.1)**								
	Basic Rate	**242.00**							
	Area Weightage 10%	**24.20**							
	Total Rate	**266.20**							
	Drain Desilting								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Raghavendra Colony								
	3rd Cross Rd	2	99.00	0.60	0.45	53.46			
	3rd A cross Rd	2	30.00	0.60	0.45	16.20			
	5th Cross Rd	2	96.00	0.60	0.45	51.84			
	7th Cross Rd	2	105.00	0.60	0.45	56.70			
	Teacher Layout								
	2nd Main Rd	2	147.00	0.60	0.45	79.38			
	3rd Main Rd	2	103.00	0.60	0.45	55.62			
	Defence Layout								
	Devammatha school Rd	2	245.00	0.60	0.45	132.30			
	Devammatha school Cross Rd	2	90.00	0.60	0.48	51.84			
	1st Cross burial ground Rd	2	470.00	0.45	0.45	190.35			
	Ramachandrapura								
	surrounding Area	2	50.00	0.60	0.45	60.00			
	New Rcc Drain								
	Ganesha Layout								
	Main Rd	2	331.00	1.10	1.00	728.20			
	2nd Main Rd								
	LHS Rd	1	52.00	1.00	1.00	52.00			
	RHS Rd	2	41.00	1.00	1.00	82.00			
	3rd Main Rd								
	RHS Rd	2	32.00	1.00	1.00	64.00			
	4th Main Rd								
	LHS Rd	2	48.00	1.00	1.00	96.00			
	RHS Rd	2	38.00	1.00	1.00	76.00			
	6th Main Rd								
	LHS Rd	1	45.00	1.00	1.00	45.00			
	RHS Rd	2	47.00	1.00	1.00	94.00			
	7th Main Rd								
	RHS Rd	1	30.00	1.00	1.00	30.00			
	Teacher Layout								
	Cross Rd 1	2	140.00	1.00	1.00	280.00			
	M.S palya								
	Jamia Masijid Cross Roads	1	100.00	0.80	0.80	64.00			
	Cross roads	1	126.00	1.00	1.00	126.00			
	Kamatha Layout								
	1st Cross Rd	2	92.00	1.00	1.00	184.00			
	2nd Cross Rd	2	94.00	1.00	1.00	188.00			
	3rd Cross Rd	2	100.00	1.00	1.00	200.00			
	Balaji Layout								
	Cross Rd	1	69.00	1.00	1.00	69.00			
	Srinidhi Layout								
	D-mandala Cross Rd	2	50.00	1.00	1.00	100.00			
	For Culverts								
	Surrounding Area in Ganesha Layout	7	6.40	1.50	1.10	73.92			
	Surrounding Area in Raghavendra Colony	3	6.40	1.50	1.10	31.68			
	Surrounding Area Teacher layout	3	6.40	1.50	1.10	31.68			
	Surrounding Area Kamatha layout	3	6.40	1.50	1.10	31.68			
						3394.85	**Cum**	**266.20**	**903709.07**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
4	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. . **Mix 1:4:8 Using 40 mm nominal size graded crushed coarse aggregates (PWD SR 2023-24 Vol -I Pg 15 item no 2.1.2)**								
	Basic Rate	**5664.00**							
	Area Weightage 10%	**566.40**							
	Total Rate	**6230.40**							
	New Rcc Drain								
	Ganesha Layout								
	Main Rd	2	331.00	0.90	0.15	89.37			
	2nd Main Rd								
	LHS Rd	1	52.00	0.90	0.15	7.02			
	RHS Rd	2	41.00	0.90	0.15	11.07			
	3rd Main Rd								
	RHS Rd	2	32.00	0.90	0.15	8.64			
	4th Main Rd								
	LHS Rd	2	48.00	0.90	0.15	12.96			
	RHS Rd	2	38.00	0.90	0.15	10.26			
	6th Main Rd								
	LHS Rd	1	45.00	0.90	0.15	6.075			
	RHS Rd	2	47.00	0.90	0.15	12.69			
	7th Main Rd								
	RHS Rd	1	30.00	0.90	0.15	4.05			
	Teacher Layout								
	Cross Rd 1	2	140.00	0.90	0.15	37.80			
	M.S palya								
	Jamia Masijid Cross Roads	1	100.00	0.80	0.15	12.00			
	Cross roads	1	126.00	0.90	0.15	17.01			
	Kamatha Layout								
	1st Cross Rd	2	92.00	0.90	0.15	24.84			
	2nd Cross Rd	2	94.00	0.90	0.15	25.38			
	3rd Cross Rd	2	100.00	0.90	0.15	27.00			
	Balaji Layout								
	Cross Rd	1	69.00	0.90	0.15	9.32			
	Srinidhi Layout								
	D-mandala Cross Rd	2	50.00	0.90	0.15	13.50			
	For Culverts								
	Surrounding Area in Ganesha Layout	7	6.40	1.50	0.15	10.08			
	Surrounding Area in Raghavendra Colony	3	6.40	1.50	0.15	4.32			
	Surrounding Area Teacher layout	3	6.40	1.50	0.15	4.32			
	Surrounding Area Kamatha layout	3	6.40	1.50	0.15	4.32			
						352.02	**Cum**	**6230.40**	**2193225.41**
5	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification **H. All other type of structures (PWD SR 2023-24 Vol -I Pg 99 item no 2.11.h)**								
	Basic Rate	**79011.00**							
	Area Weightage 10%	**7901.10**							
	Total Rate	**86912.10**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For RCC Drain, 60kg/Sqm	1	722.69	60.00		43361.10			
	For RCC Culvert, 90kg/Sqm	1	52.84	90.00		4755.46			
						48.12	**Tn**	**86912.10**	**4181910.93**
6	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications **M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2023-24 Vol -I Pg 16 item no 2.4.2))**								
	Basic Rate	**6323.00**							
	10% for Centring	**632.30**							
	Sub Total	**6955.30**							
	Area Weightage 10%	**695.53**							
	Total Rate	**7650.83**							
	Rcc Drain Raft								
	Ganesha Layout								
	Main Rd	2	331.00	0.90	0.15	89.37			
	2nd Main Rd								
	LHS Rd	1	52.00	0.75	0.15	5.85			
	RHS Rd	2	41.00	0.75	0.15	9.225			
	3rd Main Rd								
	RHS Rd	2	32.00	0.75	0.15	7.2			
	4th Main Rd								
	LHS Rd	2	48.00	0.75	0.15	10.8			
	RHS Rd	2	38.00	0.75	0.15	8.55			
	6th Main Rd								
	LHS Rd	1	45.00	0.75	0.15	5.0625			
	RHS Rd	2	47.00	0.75	0.15	10.575			
	7th Main Rd								
	RHS Rd	1	30.00	0.75	0.15	3.375			
	Teacher Layout								
	Cross Rd 1	2	140.00	0.75	0.15	31.50			
	M.S palya								
	Jamia Masijid Cross Roads	1	100.00	0.60	0.15	9.00			
	Cross roads	1	126.00	0.75	0.15	14.18			
	Kamatha Layout								
	1st Cross Rd	2	92.00	0.75	0.15	20.70			
	2nd Cross Rd	2	94.00	0.75	0.15	21.15			
	3rd Cross Rd	2	100.00	0.75	0.15	22.50			
	Balaji Layout								
	Cross Rd	1	69.00	0.75	0.15	7.76			
	Srinidhi Layout								
	D-mandala Cross Rd	2	50.00	0.75	0.15	11.25			
	Rcc Drain Wall								
	Ganesha Layout								
	Main Rd	4	331.00	0.15	0.60	119.16			
	2nd Main Rd								
	LHS Rd	2	52.00	0.15	0.60	9.36			
	RHS Rd	4	41.00	0.15	0.60	14.76			
	3rd Main Rd								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	RHS Rd	4	32.00	0.15	0.60	11.52			
	4th Main Rd								
	LHS Rd	4	48.00	0.15	0.60	17.28			
	RHS Rd	4	38.00	0.15	0.60	13.68			
	6th Main Rd								
	LHS Rd	2	45.00	0.15	0.60	8.1			
	RHS Rd	4	47.00	0.15	0.60	16.92			
	7th Main Rd								
	RHS Rd	2	30.00	0.15	0.60	5.4			
	Teacher Layout								
	Cross Rd 1	4	140.00	0.15	0.60	50.40			
	M.S palya								
	Jamia Masijid Cross Roads	2	100.00	0.10	0.60	12.00			
	Cross roads	2	126.00	0.15	0.60	22.68			
	Kamatha Layout								
	1st Cross Rd	4	92.00	0.15	0.60	33.12			
	2nd Cross Rd	4	94.00	0.15	0.60	33.84			
	3rd Cross Rd	4	100.00	0.15	0.60	36.00			
	Balaji Layout								
	Cross Rd	2	69.00	0.15	0.60	12.42			
	Srinidhi Layout								
	D-mandala Cross Rd	4	50.00	0.15	0.60	18.00			
						722.69			
	For Culverts								
	Culvert Raft								
	Surrounding Area in Ganesha Layout	7	6.40	1.20	0.20	10.75			
	Surrounding Area in Raghavendra Colony	3	6.40	1.20	0.20	4.61			
	Surrounding Area Teacher layout	3	6.40	1.20	0.20	4.61			
	Surrounding Area Kamatha layout	3	6.40	1.20	0.20	4.61			
	Culvert Wall								
	Surrounding Area in Ganesha Layout	14	6.40	0.23	0.60	12.36			
	Surrounding Area in Raghavendra Colony	6	6.40	0.23	0.60	5.30			
	Surrounding Area Teacher layout	6	6.40	0.23	0.60	5.30			
	Surrounding Area Kamatha layout	6	6.40	0.23	0.60	5.30			
						52.84			
						775.52	**Cum**	**7650.83**	**5933397.69**
7	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. **Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregate (PWD SR 2023-24 Vol -I Pg 15 Item No. 2.1.6))**								
	Basic Rate	**6243.00**							
	Area Weightage 10%	**624.30**							
	Total Rate	**6867.30**							
	Culvert - Ramp								
	Surrounding Area in Ganesha Layout	14	6.40	1.20	0.10	10.75			
	Surrounding Area in Raghavendra Colony	6	6.40	1.20	0.10	4.61			
	Surrounding Area Teacher layout	6	6.40	1.20	0.10	4.61			
	Surrounding Area Kamatha layout	6	6.40	1.20	0.10	4.61			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						24.58			
	Vent Concrete for Existing Drain for Damage portion								
	Raghavendra Colony								
	3rd Cross Rd	2	99.00	0.60	0.10	11.88			
	3rd A cross Rd	2	30.00	0.60	0.10	3.60			
	5th Cross Rd	2	96.00	0.60	0.10	11.52			
	7th Cross Rd	2	105.00	0.60	0.10	12.60			
	Teacher Layout								
	2nd Main Rd	2	147.00	0.60	0.10	17.64			
	3rd Main Rd	2	103.00	0.60	0.10	12.36			
	Defence Layout								
	Devammatha school Rd	2	245.00	0.60	0.10	29.40			
	Devammatha school Cross Rd	2	90.00	0.60	0.10	10.80			
	1st Cross barrel ground	2	470.00	0.45	0.10	42.30			
	Ramachandrapura								
	surrounding Area	2	100.00	0.45	0.10	9.00			
						161.10			
	Consider 30% of damaged Vent Portion					**48.33**			
						72.91	**Sqm**	**6867.30**	**500667.37**
8	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/ m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete. **(PWD SR 2023-24 Vol -II Pg No. 177 item No. 17.14)**								
	Basic Rate	**1170.00**							
	Area Weightage 10%	**117.00**							
	Total Rate	**1287.00**							
	Rcc Drain Slabs								
	Ganesha Layout								
	Main Rd	2	331.00	0.90		595.8			
	2nd Main Rd								
	LHS Rd	1	52.00	0.75		39			
	RHS Rd	2	41.00	0.75		61.5			
	3rd Main Rd								
	RHS Rd	2	32.00	0.75		48			
	4th Main Rd								
	LHS Rd	2	48.00	0.75		72			
	RHS Rd	2	38.00	0.75		57			
	6th Main Rd								
	LHS Rd	1	45.00	0.75		33.75			
	RHS Rd	2	47.00	0.75		70.5			
	7th Main Rd								
	RHS Rd	1	30.00	0.75		22.50			
	Teacher Layout								
	Cross Rd 1	2	140.00	0.75		210.00			
	M.S palya								
	Jamia Masijid Cross Roads	1	100.00	0.60		60.00			
	Cross roads	1	126.00	0.75		94.50			
	Kamatha Layout								
	1st Cross Rd	2	92.00	0.75		138.00			
	2nd Cross Rd	2	94.00	0.75		141.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	3rd Cross Rd	2	100.00	0.75		150.00			
	Balaji Layout								
	Cross Rd	1	69.00	0.75		51.75			
	Srinidhi Layout								
	D-mandala Cross Rd	2	50.00	0.75		75.00			
	Add Missing/Damaged Slabs					255.00			
						2175.300	**Sqm**	**1287.00**	**2799611.10**
9	Providing and Fixing pre cast Covering Slab 230mm thick made out of M20 and jelly 20mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge **(Approved Data Rate)**								
	Data Rate	**5037.00**							
	For Culverts								
	Surrounding Area in Ganesha Layout	7	6.40	1.20		53.76			
	Surrounding Area in Raghavendra Colony	3	6.40	1.20		23.04			
	Surrounding Area Teacher layout	3	6.40	1.20		23.04			
	Surrounding Area Kamatha layout	3	6.40	1.20		23.04			
						122.88	**Sqm**	**5037.00**	**618946.56**
10	Earth work in surface Excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. **(PWD SR 23-24 Vol I Pg No. 8 Item No 1.12)**								
	Basic Rate	**95.00**							
	Area Weightage 10%	9.50							
	Total Rate	**104.50**							
	Road Damaged Portion								
	Ganesha Layout								
	2nd Main Road								
	RHS Road	1	41.00	5.20	0.20	42.64			
	3rd Main Road								
	RHS Road	1	32.00	3.20	0.20	20.48			
	4th Main Road								
	RHS Road	1	38.00	4.50	0.20	34.20			
	6th Main Rd								
	RHS Road	1	47.00	4.50	0.20	42.30			
	Raghavendra colony								
	3rd Cross Rd	1	99.00	4.50	0.20	89.10			
	3rd A cross Rd	1	30.00	4.50	0.20	27.00			
	7th Cross Rd	1	105.00	5.50	0.20	115.50			
	Teacher Layout								
	2nd Main Rd	1	147.00	4.50	0.20	132.30			
	3rd Main Rd	1	103.00	4.00	0.20	82.40			
	Cross Rd 1	1	140.00	4.50	0.20	126.00			
	Defence Layout								
	Devamatha school Rd	1	245.00	7.20	0.20	352.80			
	Devamatha school cross rd	1	90.00	5.60	0.20	100.80			
	1st Cross burial ground Rd	1	470.00	7.80	0.20	733.20			
						1898.72			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	consider 25% of road damaged portion and Road Cutting Portions					474.68			
						474.68	**Cum**	**104.50**	**49,604.06**
11	Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification No. 406 **(PWD SR 23-24 Vol III Pg no. 26 Item No. 4.17)**								
	Basic Rate	**2559.00**							
	Area Weightage 10%	255.90							
	Total Rate	**2814.90**							
	Road Damaged Portion								
	Ganesha Layout								
	2nd Main Road								
	RHS Road	1	41.00	5.20	0.20	42.64			
	3rd Main Road								
	RHS Road	1	32.00	3.20	0.20	20.48			
	4th Main Road								
	RHS Road	1	38.00	4.50	0.20	34.20			
	6th Main Rd								
	RHS Road	1	47.00	4.50	0.20	42.30			
	Raghavendra colony								
	3rd Cross Rd	1	99.00	4.50	0.20	89.10			
	3rd A cross Rd	1	30.00	4.50	0.20	27.00			
	7th Cross Rd	1	105.00	5.50	0.20	115.50			
	Teacher Layout								
	2nd Main Rd	1	147.00	4.50	0.20	132.30			
	3rd Main Rd	1	103.00	4.00	0.20	82.40			
	Cross Rd 1	1	140.00	4.50	0.20	126.00			
	Defence Layout								
	Devamatha school Rd	1	245.00	7.20	0.20	352.80			
	Devamatha school cross rd	1	90.00	5.60	0.20	100.80			
	1st Cross burial ground Rd	1	470.00	7.80	0.20	733.20			
						1898.72			
	consider 25% of road damaged portion and Road Cutting Portions					474.68			
						474.68	**Cum**	**2814.90**	**1336176.73**
12	Providing and applying Primer Coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502 **(PWD SR 23-24 Vol III Pg no. 31 Item No. 5.2)**								
	Basic Rate	**53.00**							
	Area Weightage 10%	**5.30**							
	Total Rate	**58.30**							
	Road Damaged Portion								
	Ganesha Layout								
	2nd Main Road								
	RHS Road	1	41.00	5.20		213.20			
	3rd Main Road								
	RHS Road	1	32.00	3.20		102.40			
	4th Main Road								
	RHS Road	1	38.00	4.50		171.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	6th Main Rd								
	RHS Road	1	47.00	4.50		211.50			
	Raghavendra colony								
	3rd Cross Rd	1	99.00	4.50		445.50			
	3rd A cross Rd	1	30.00	4.50		135.00			
	7th Cross Rd	1	105.00	5.50		577.50			
	Teacher Layout								
	2nd Main Rd	1	147.00	4.50		661.50			
	3rd Main Rd	1	103.00	4.00		412.00			
	Cross Rd 1	1	140.00	4.50		630.00			
	Defence Layout								
	Devamatha school Rd	1	245.00	7.20		1764.00			
	Devamatha school cross rd	1	90.00	5.60		504.00			
	1st Cross burial ground Rd	1	470.00	7.80		3666.00			
						9493.60			
	consider 25% of road damaged portion and Road Cutting Portions					2373.40			
	For Porfile Correction								
	Ganesha Layout								
	2nd Main Road								
	RHS Road	1	41.00	5.20		213.20			
	3rd Main Road								
	RHS Road	1	32.00	3.20		102.40			
	4th Main Road								
	RHS Road	1	38.00	4.50		171.00			
	6th Main Rd								
	RHS Road	1	47.00	4.50		211.50			
	Raghavendra colony								
	3rd Cross Rd	1	99.00	4.50		445.50			
	3rd A cross Rd	1	30.00	4.50		135.00			
	7th Cross Rd	1	105.00	5.50		577.50			
	Teacher Layout								
	2nd Main Rd	1	147.00	4.50		661.50			
	3rd Main Rd	1	103.00	4.00		412.00			
	Cross Rd 1	1	140.00	4.50		630.00			
	Defence Layout								
	Devamatha school Rd	1	245.00	7.20		1764.00			
	Devamatha school cross rd	1	90.00	5.60		504.00			
						5827.60			
	consider 10% for profile Correction					582.76			
	Defence Layout								
	1st Cross barrel ground	1	470.00	7.80		3666.00			
						6622.16	**Sqm**	**58.30**	**386071.93**
13	Providing and applying Tack Coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification No. 503 **(PWD SR 23-24 Vol III Pg no. 31 Item No 5.4)**								
	Basic Rate	**14.00**							
	Area Weightage 10%	1.40							
	Total Rate	**15.40**							
	For BC								
	Ganesha Layout								
	2nd Main Road								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	RHS Road	1	41.00	5.20		213.20			
	3rd Main Road								
	RHS Road	1	32.00	3.20		102.40			
	4th Main Road								
	RHS Road	1	38.00	4.50		171.00			
	6th Main Rd								
	RHS Road	1	47.00	4.50		211.50			
	Raghavendra colony								
	3rd Cross Rd	1	99.00	4.50		445.50			
	3rd A cross Rd	1	30.00	4.50		135.00			
	7th Cross Rd	1	105.00	5.50		577.50			
	Teacher Layout								
	2nd Main Rd	1	147.00	4.50		661.50			
	3rd Main Rd	1	103.00	4.00		412.00			
	Cross Rd 1	1	140.00	4.50		630.00			
	Defence Layout								
	Devamatha school Rd	1	245.00	7.20		1764.00			
	Devamatha school cross rd	1	90.00	5.60		504.00			
	1st Cross burial ground Rd	1	470.00	7.80		3666.00			
						9493.60	**Sqm**	**15.40**	**146201.44**
14	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects **(PWD SR 23-24 Vol III Pg no 35 Item No 5.12 (C))**								
	Basic Rate	**9449.00**							
	Area Weightage 10%	944.90							
	Total Rate	**10393.90**							
	Road Damaged Portion								
	Ganesha Layout								
	2nd Main Road								
	RHS Road	1	41.00	5.20	0.05	10.66			
	3rd Main Road								
	RHS Road	1	32.00	3.20	0.05	5.12			
	4th Main Road								
	RHS Road	1	38.00	4.50	0.05	8.55			
	6th Main Rd								
	RHS Road	1	47.00	4.50	0.05	10.58			
	Raghavendra colony								
	3rd Cross Rd	1	99.00	4.50	0.05	22.28			
	3rd A cross Rd	1	30.00	4.50	0.05	6.75			
	7th Cross Rd	1	105.00	5.50	0.05	28.88			
	Teacher Layout								
	2nd Main Rd	1	147.00	4.50	0.05	33.08			
	3rd Main Rd	1	103.00	4.00	0.05	20.60			
	Cross Rd 1	1	140.00	4.50	0.05	31.50			
	Defence Layout								
	Devamatha school Rd	1	245.00	7.20	0.05	88.20			
	Devamatha school cross rd	1	90.00	5.60	0.05	25.20			
	1st Cross burial ground Rd	1	470.00	7.80	0.05	183.30			
						474.68			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	consider 25% of road damaged portion and Road Cutting Portions					118.67			
	For Porfile Correction								
	Ganesha Layout								
	2nd Main Road								
	RHS Road	1	41.00	5.20	0.05	10.66			
	3rd Main Road								
	RHS Road	1	32.00	3.20	0.05	5.12			
	4th Main Road								
	RHS Road	1	38.00	4.50	0.05	8.55			
	6th Main Rd								
	RHS Road	1	47.00	4.50	0.05	10.58			
	Raghavendra colony								
	3rd Cross Rd	1	99.00	4.50	0.05	22.28			
	3rd A cross Rd	1	30.00	4.50	0.05	6.75			
	7th Cross Rd	1	105.00	5.50	0.05	28.88			
	Teacher Layout								
	2nd Main Rd	1	147.00	4.50	0.05	33.08			
	3rd Main Rd	1	103.00	4.00	0.05	20.60			
	Cross Rd 1	1	140.00	4.50	0.05	31.50			
	Defence Layout								
	Devamatha school Rd	1	245.00	7.20	0.05	88.20			
	Devamatha school cross rd	1	90.00	5.60	0.05	25.20			
						291.38			
	consider 10% for profile Correction					29.14			
	Defence Layout								
	1st Cross burial ground Rd	1	470.00	7.80	0.05	183.30			
						331.11	**Cum**	**10393.90**	**3441503.44**
15	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects **(PWD SR 23-24 Vol III Pg no 38 Item No 5.16 (C))**								
	Basic Rate	**10954.00**							
	Area Weightage 10%	1095.40							
	Total Rate	**12049.40**							
	For BC								
	Ganesha Layout								
	2nd Main Road								
	RHS Road	1	41.00	5.20	0.04	8.53			
	3rd Main Road								
	RHS Road	1	32.00	3.20	0.04	4.10			
	4th Main Road								
	RHS Road	1	38.00	4.50	0.04	6.84			
	6th Main Rd								
	RHS Road	1	47.00	4.50	0.04	8.46			
	Raghavendra colony								
	3rd Cross Rd	1	99.00	4.50	0.04	17.82			
	3rd A cross Rd	1	30.00	4.50	0.04	5.40			
	7th Cross Rd	1	105.00	5.50	0.04	23.10			
	Teacher Layout								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	2nd Main Rd	1	147.00	4.50	0.04	26.46			
	3rd Main Rd	1	103.00	4.00	0.04	16.48			
	Cross Rd 1	1	140.00	4.50	0.04	25.20			
	Defence Layout								
	Devamatha school Rd	1	245.00	7.20	0.04	70.56			
	Devamatha school cross rd	1	90.00	5.60	0.04	20.16			
	1st Cross burial ground Rd	1	470.00	7.80	0.04	146.64			
						379.74	**Cum**	**12049.40**	**4575687.35**
16	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes **(PWD SR 23-24 Vol III Pg No. 67 Item No 8.15)**								
	Basic Rate	**530.00**							
	Area Weightage 10%	**53.00**							
	Total Rate	**583.00**							
	Ganesha Layout								
	2nd Main Road								
	RHS Road	2	41.00	0.10		8.20			
	3rd Main Road								
	RHS Road	2	32.00	0.10		6.40			
	4th Main Road								
	RHS Road	2	38.00	0.10		7.60			
	6th Main Rd								
	RHS Road	2	47.00	0.10		9.40			
	Raghavendra colony								
	3rd Cross Rd	2	99.00	0.10		19.80			
	3rd A cross Rd	2	30.00	0.10		6.00			
	7th Cross Rd	2	105.00	0.10		21.00			
	Teacher Layout								
	2nd Main Rd	2	147.00	0.10		29.40			
	3rd Main Rd	2	103.00	0.10		20.60			
	Cross Rd 1	2	140.00	0.10		28.00			
	Defence Layout								
	Devamatha school Rd	2	245.00	0.10		49.00			
	Devamatha school cross rd	2	90.00	0.10		18.00			
	1st Cross burial ground Rd	2	470.00	0.10		94.00			
						317.40	**Sqm**	**583.00**	**185044.20**
17	Supplying and Fixing Of **Molded Shank Raised pavement Markers/ Cat's Eye** made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000Kg tested in accordance to ASTM D 4280 type H and complying to specification of category a of MORTH circular No RW/NH/33023/10-97 Do III Dt 11.06.1997. The height, width and length shall not exceed 50mm, 100mm and 102+/- 2mm and with minimum reflective area of 13 cm2 on each side and the slope to the base shall be 35+/- 5 degree. the strength of detachment of the integarted cylindrical shanks, (of diameter not less than 19+/- 2mm and height not less than 30+/- 2mm) from the body is to be a minimum value of 500 Kg. Fixing will be By drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per Manufacturer's recommendation and complete as directed by the engineer. the contractor shall submit a two year warranty for satisfactory field performance including stipulated retro-reflectance of the reflecting panel, to the engineer. **(PWD SR 23-24 Vol III Pg No. 119 Item No 8.43)**								
	Basic Rate	**365.00**							
	Area Weightage 10%	**36.50**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Total Rate	**401.50**							
	Defence Layout								
	1st Cross Barrel ground	3	78.33			235.00			
						235.00	**Nos**	**401.50**	**94,352.50**
17	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately MORTH Specification No. 202 **(PWD SR 2023-24 Vol - III Pg No. 12 - Item No. 2.19)**								
	Basic Rate	**563.00**							
	Area Weightage 10%	56.30							
	Total Rate	**619.30**							
	For C.C road								
	Ganesha Layout								
	3rd Main Road								
	LHS Rd	1	49.00	3.80	0.25	46.55			
	8th Main Road								
	RHS Rd	1	45.00	4.00	0.25	45.00			
						91.55			
	Deduct 30% Voids					**27.47**			
						64.09	**Cum**	**619.30**	**39,687.84**
18	Construction of Dry Lean Cement Concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm,aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3 , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. MORTH Specification No. 601 **(PWD SR 2023-24 Vol - III P.No. 49 - I.No. 6.1)**								
	Basic Rate	**4920.00**							
	Area Weightage 10%	**492.00**							
	Total Rate	**5412.00**							
	For C.C road								
	Ganesha Layout								
	3rd Main Road								
	LHS Rd	1	49.00	3.80	0.15	27.93			
	8th Main Road								
	RHS Rd	1	45.00	4.00	0.15	27.00			
						54.93	**Cum**	**5412.00**	**297281.16**
19	Construction of un-reinforced plain cement concrete pavement using RMC M-30 grade with OPC @ 270 kg/m3 and GGBS@ 90 kg/m3 (75:25 proportion) as per approved mix design procedure and thickness as per design, over a prepared sub base. The superplastisiser confirming to IS 9103-1999 Reaffirmed-2008 ,Coarse aggregates and Fine aggregate confirming to IS:383-2016, transported to site, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work). Spreading the concrete with shovels, rackers and compacted using needle, suitable plate vibrator and finished in a continuous operation including provision of separation membrane and Hessian cloth finishing to lines and grades complete including cost of all materials, labour, all lead & lift, loading charges as per specification & direction of Engineer - incharge of the work. (Groove cutting shall be paid seperately) **(PWD SR 2023-24 Vol -III Pg No. 51 item no. 6.6)**								
	Basic Rate	**6774.00**							
	Area Weightage 10%	**677.40**							
	Total Rate	**7451.40**							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For C.C road								
	Ganesha Layout								
	3rd Main Road								
	LHS Rd	1	49.00	3.80	0.15	27.93			
	8th Main Road								
	RHS Rd	1	45.00	4.00	0.15	27.00			
						54.93	**Cum**	**7451.40**	**409305.40**
20	Crack Groove Cutting: Groove shall be cut using hand held electrically operated concrete cutting machine of size of 50 mm wide and 75 mm deep on each side of the crack to form as "V" groove all along the crack to fill the polyester resin/ Epoxy putty (horizontal and vertical cracks). After the groove cutting, the concrete shall be removed from the groove using the pneumatic concrete chipping machine to form "V" groove. The item includes the cost of hire charges for all machineries, tools and barges and all labour charges etc., complete **(PWD SR 2023-24 Vol -III Pg No. 161 Item No. 10)**								
	Basic Rate	**750.00**							
	Area Weightage 10%	**75.00**							
	Total Rate	**825.00**							
	For C.C road								
	Ganesha Layout								
	3rd Main Road								
	LHS Rd	4	3.80			15.20			
	8th Main Road								
	RHS Rd	4	4.00			16.00			
						31.20	**Cum**	**825.00**	**25,740.00**
21	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (V-III Page No.3, Item No.1.4 A of PWD SR 2021-22)								
	Basic Rate	**180.00**							
	15KM Lead = 12*15	**180.00**							
	Area Weightage 10%	18.00							
	Total Rate	**198.00**							
	Qty frm Item No-3		3394.9	1.28		4345.41			
	Qty frm Item No-10		474.7	1.28		607.59			
						4953.00	**t.Km**	**198.00**	**980693.68**
	Total Construction Cost								**29410605.77**
	18% GST for Construction Cost								**5293909.04**
	1% of PMC Charges for Construction Cost								**294106.06**
	Sub Total - 1								**34998620.87**
	Utility Shifting,Miscellaneous and Rounding off								**1,379.13**
	GRAND TOTAL								**35000000.00**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary.
2) The work spot comes under B.B.M.P Limits.
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of PWD 2023-24 and Date Rates.

Assistant Engineer
Ward No-14
BBMP Bangalore

Asst. Executive Engineer,
Vidyaranyapura Sub Division
BBMP Bangalore

Executive Engineer,
Bytarayanapura Division
BBMP Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

SKETCH

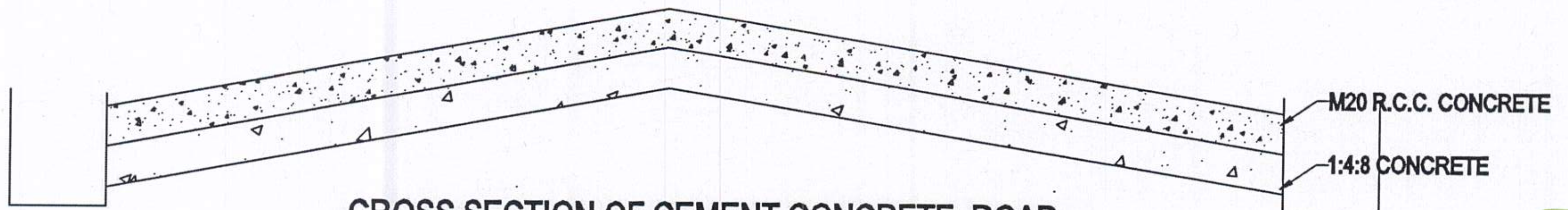
BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

CROSS SECTIONS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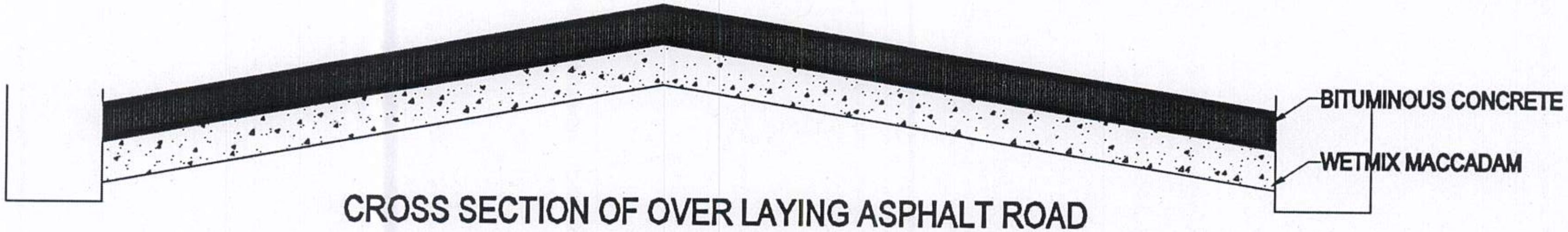
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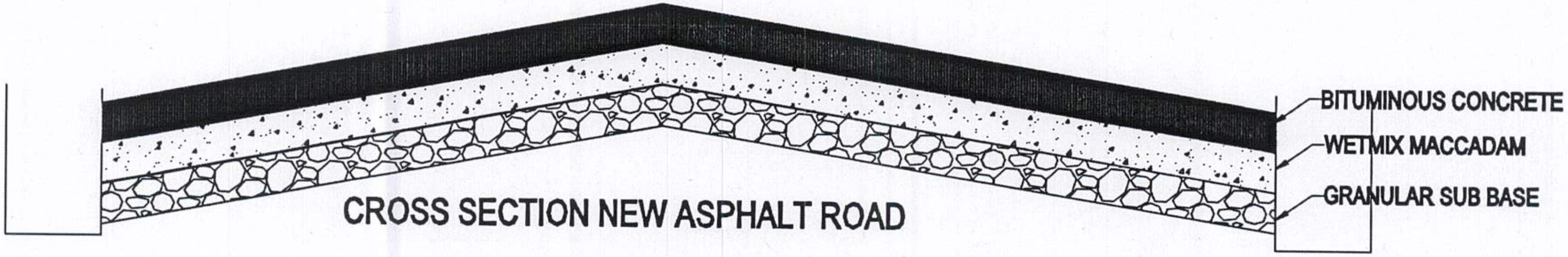
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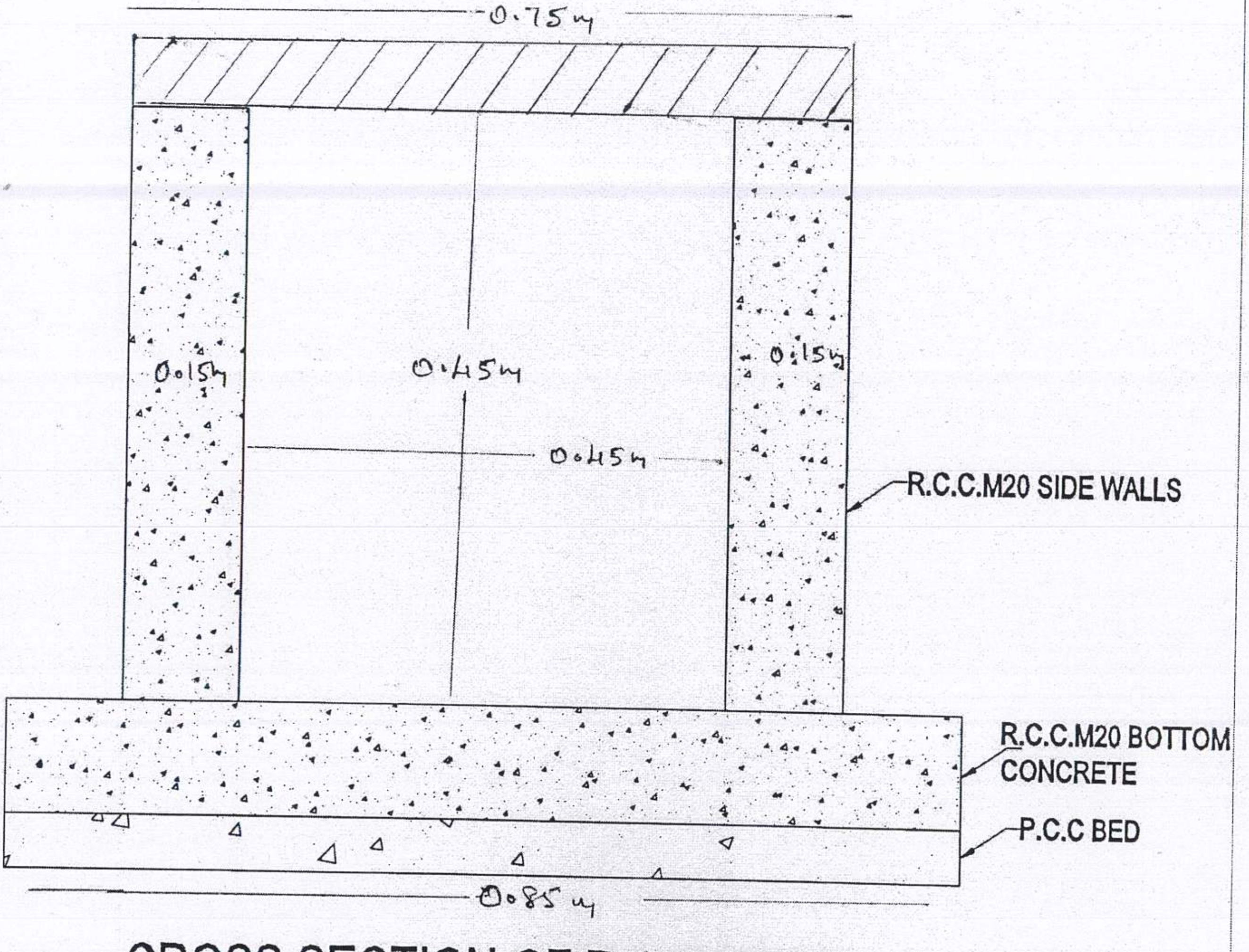
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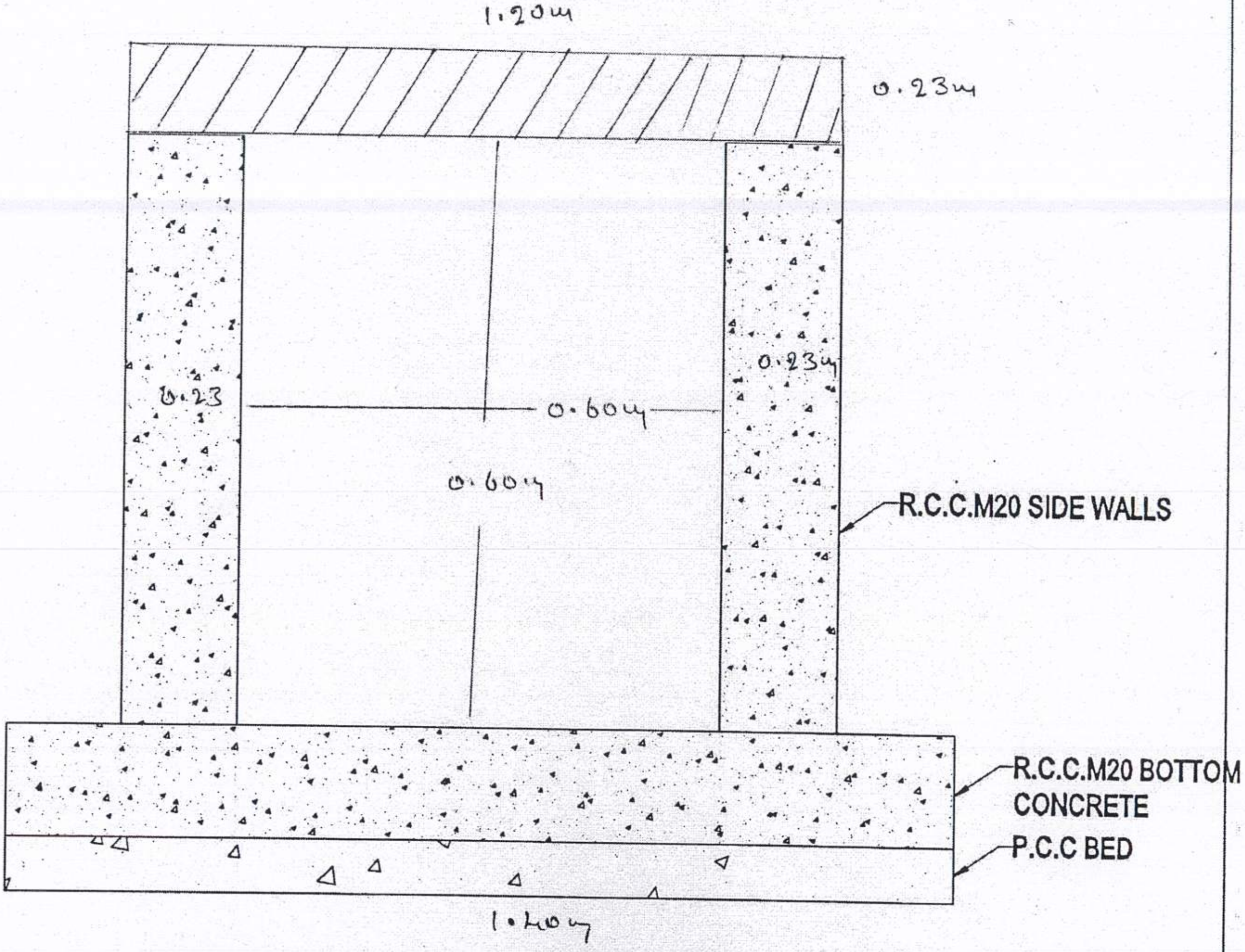
0.45m
0.45m
0.15m
R.C.C.M20 SIDE WALLS
R.C.C.M20 BOTTOM CONCRETE
P.C.C BED
0.85m

CROSS SECTION OF R.C.C DRAIN


1.20m
0.23m
0.23
0.60m
0.23m
0.60m
R.C.C.M20 SIDE WALLS
R.C.C.M20 BOTTOM CONCRETE
P.C.C BED
1.40m

CROSS SECTION OF CULVERT

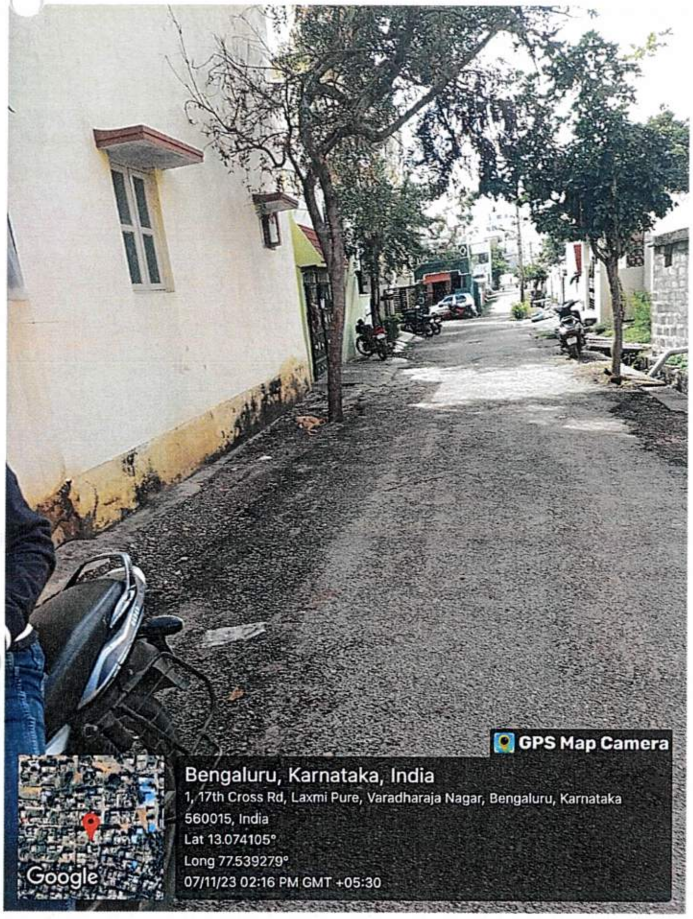
BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

PHOTOS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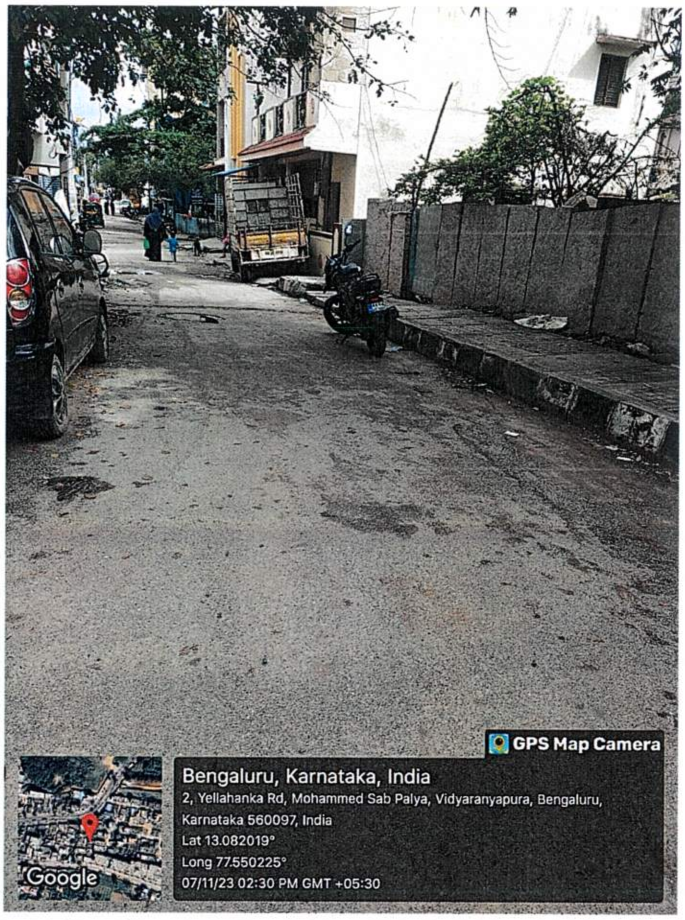
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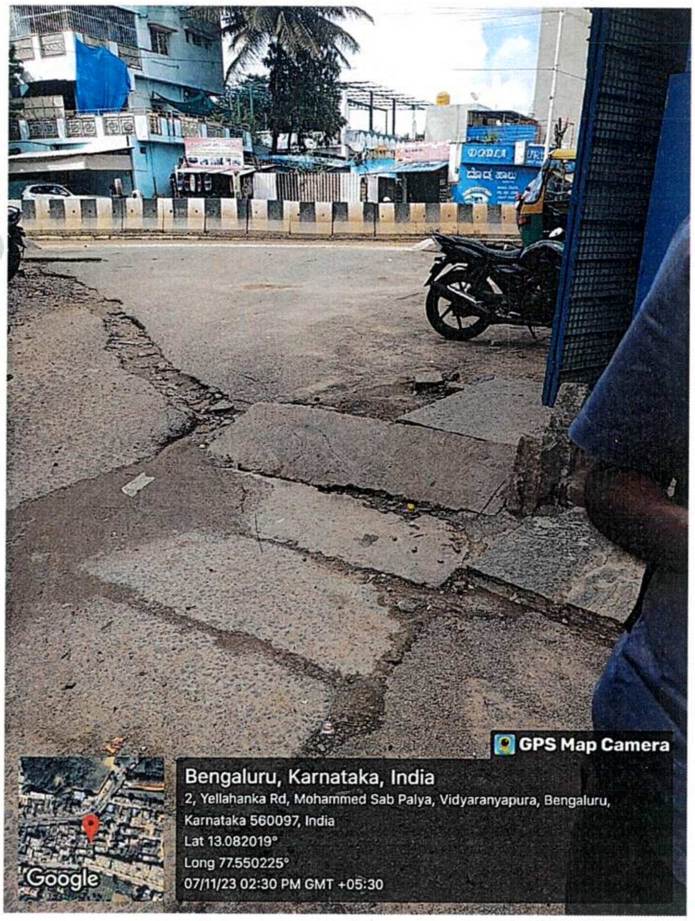
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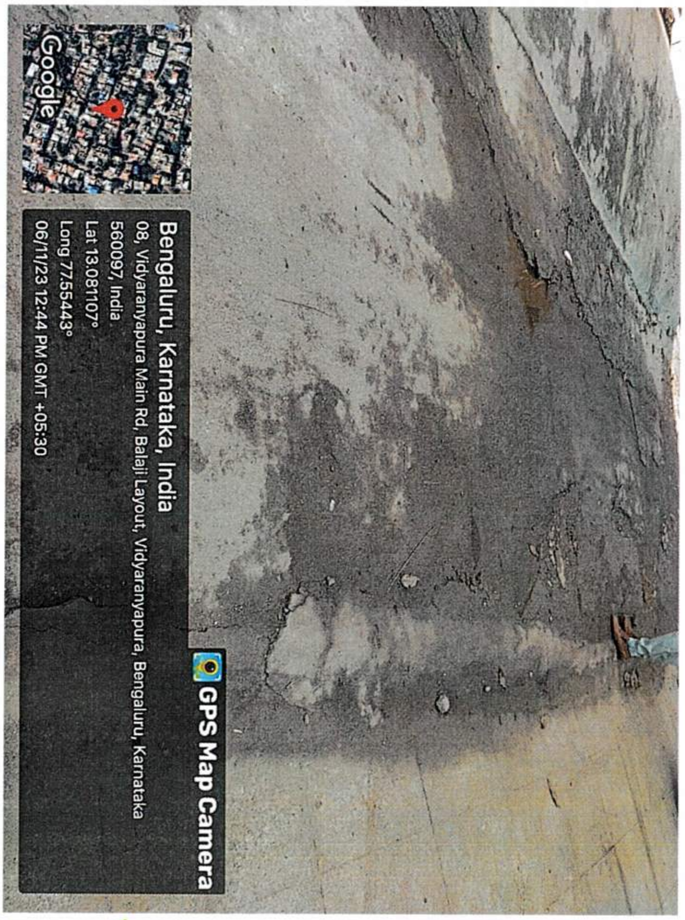
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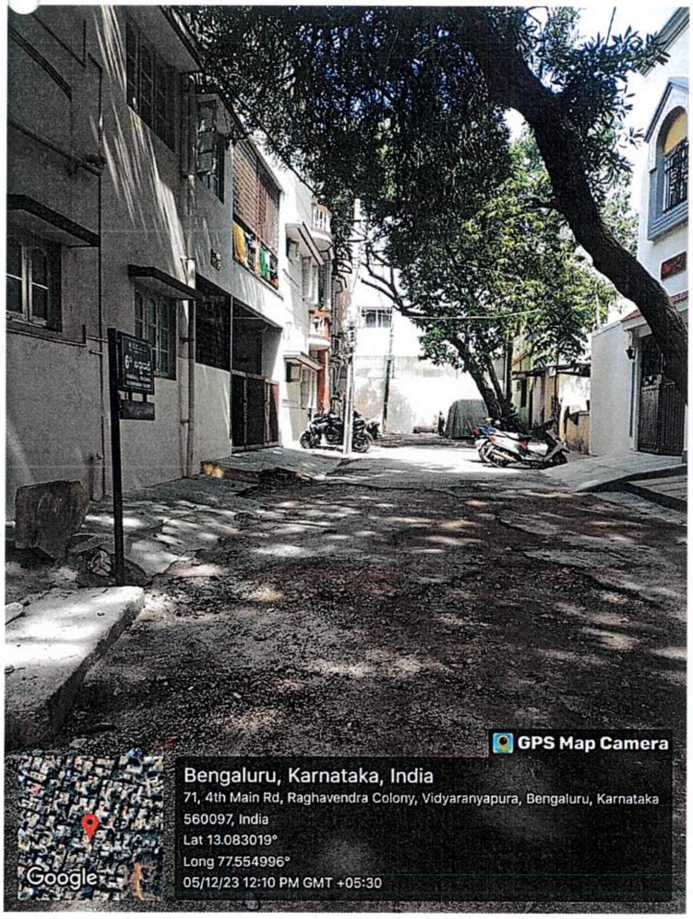
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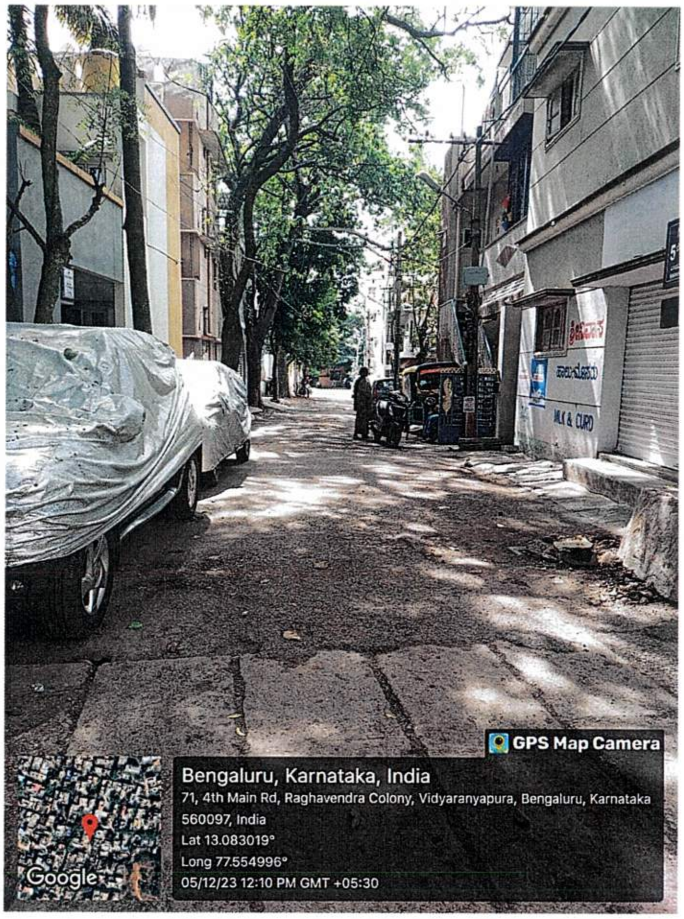
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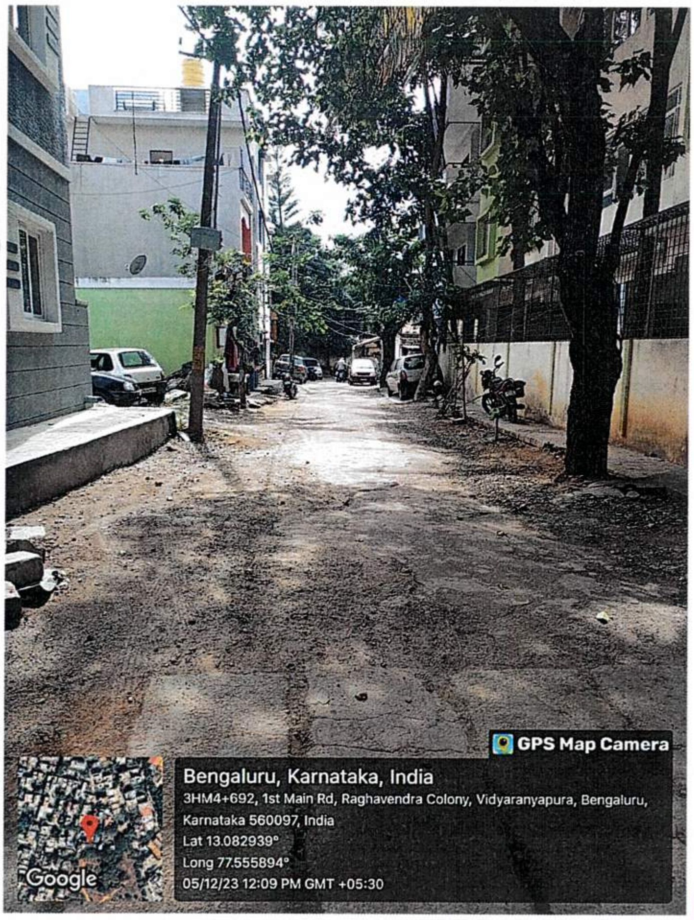
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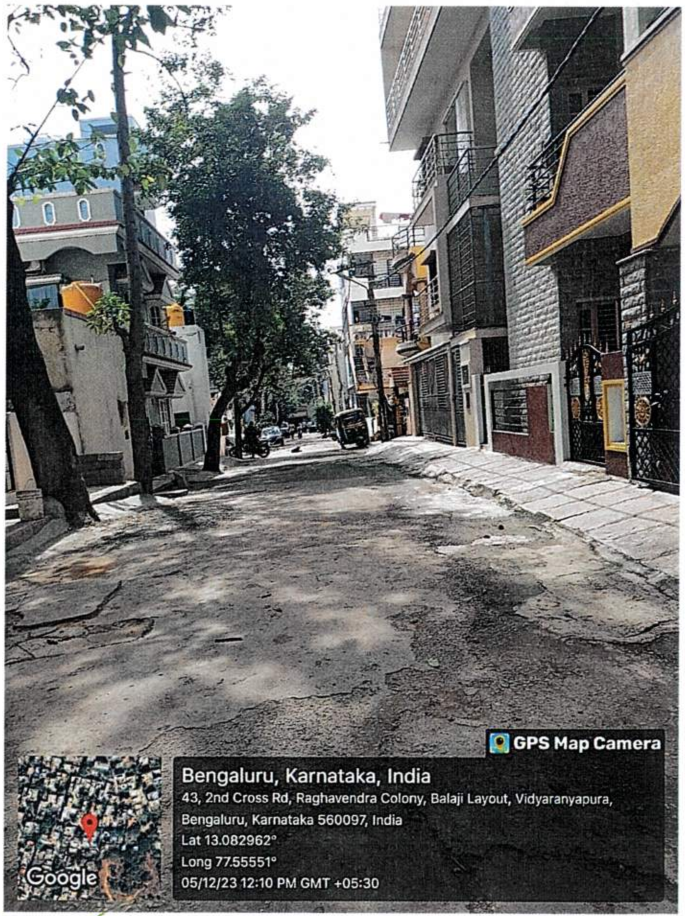
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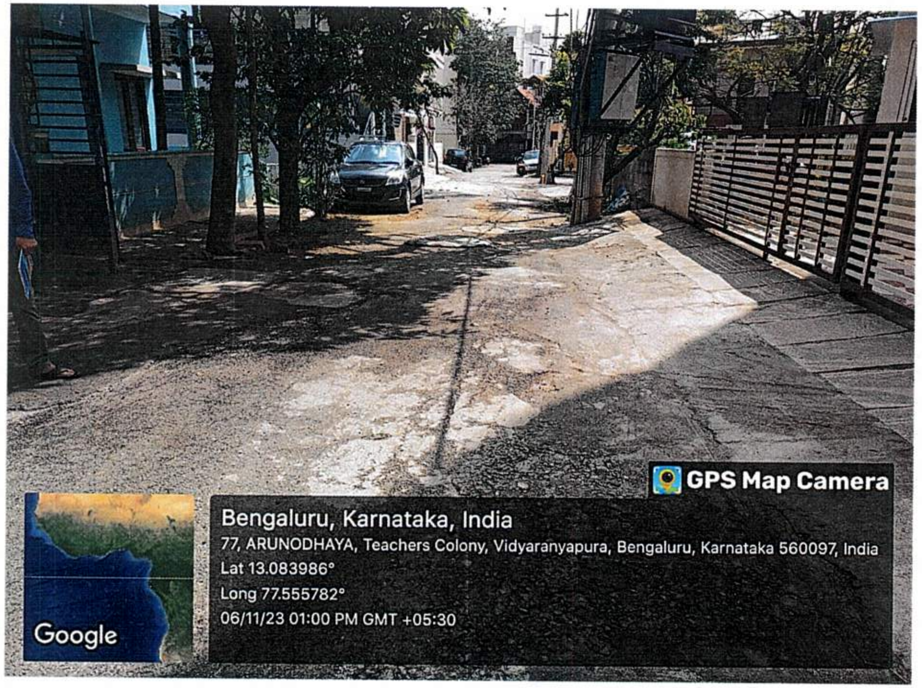
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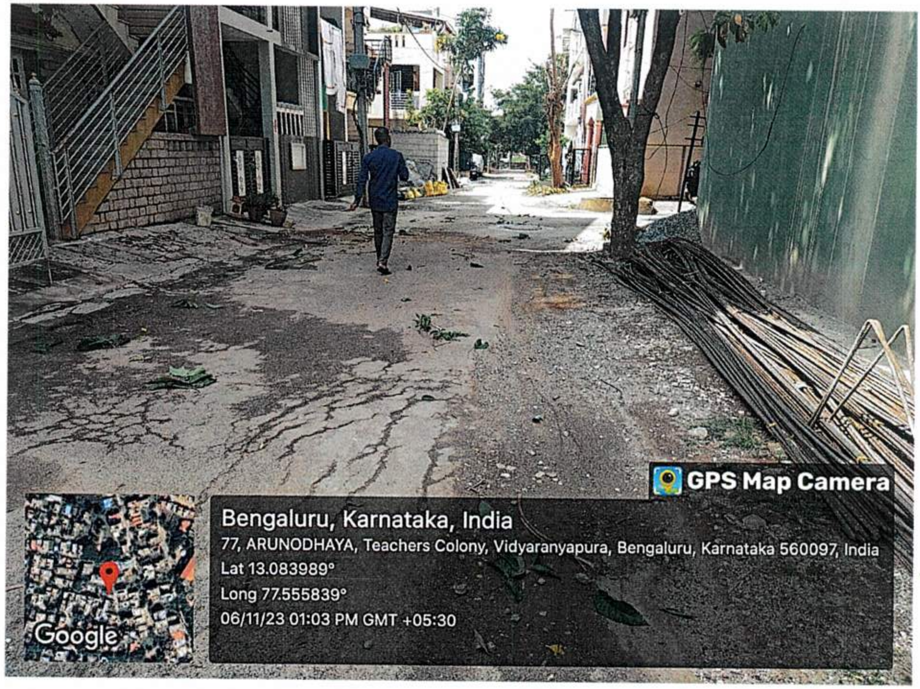
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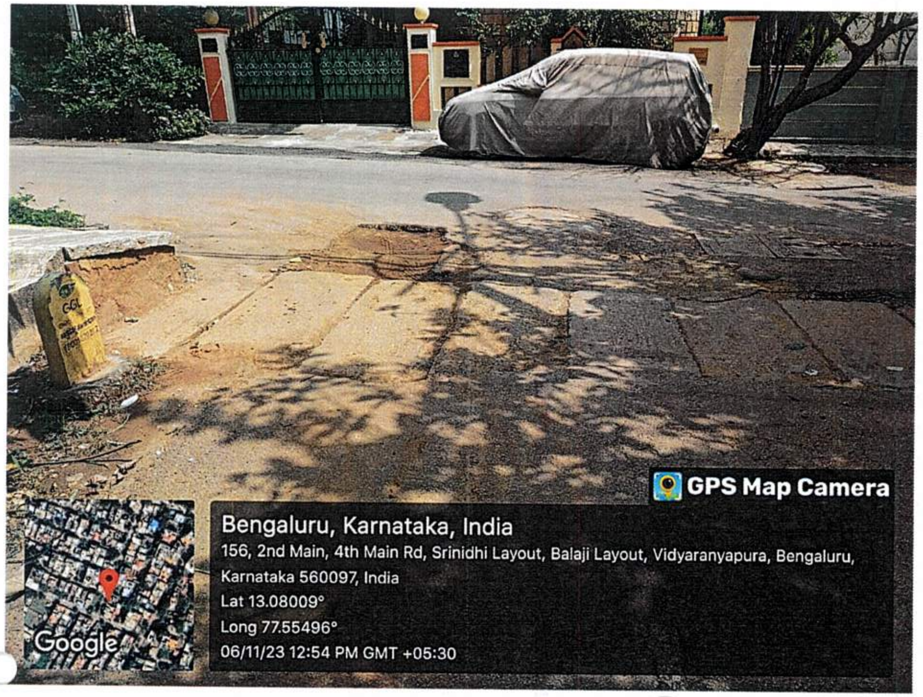
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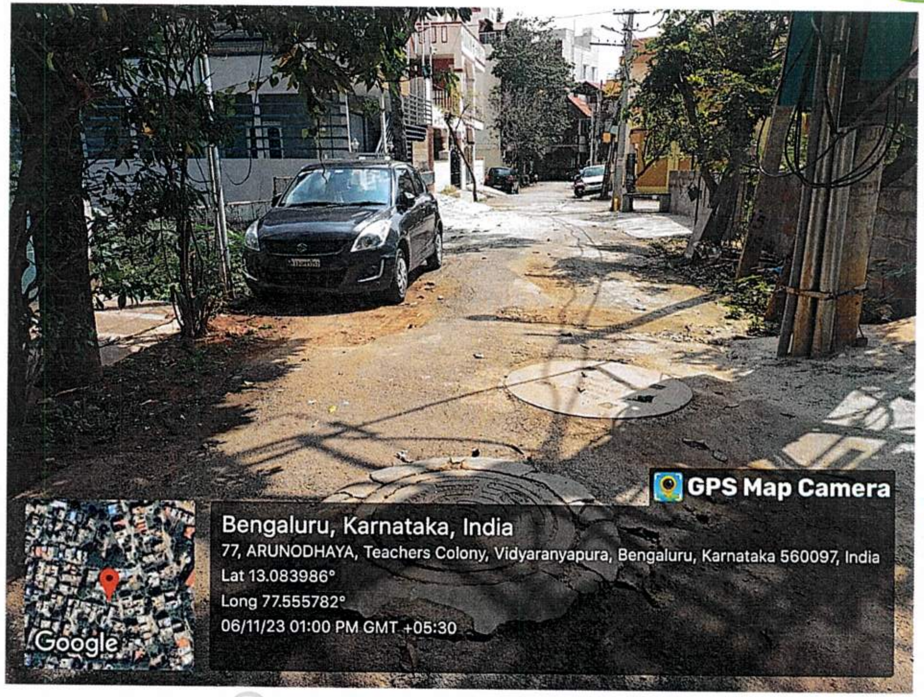
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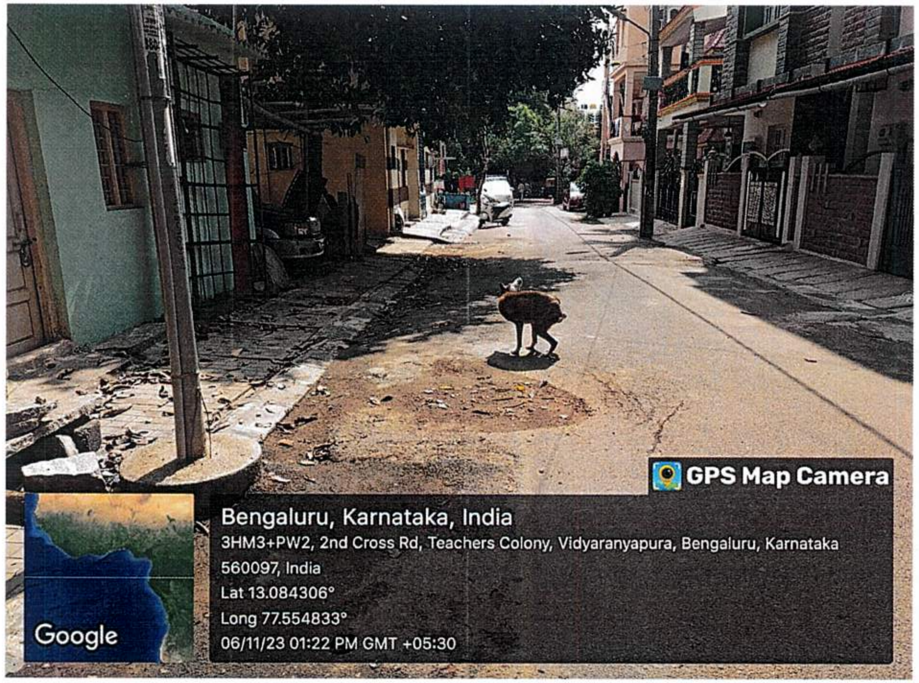
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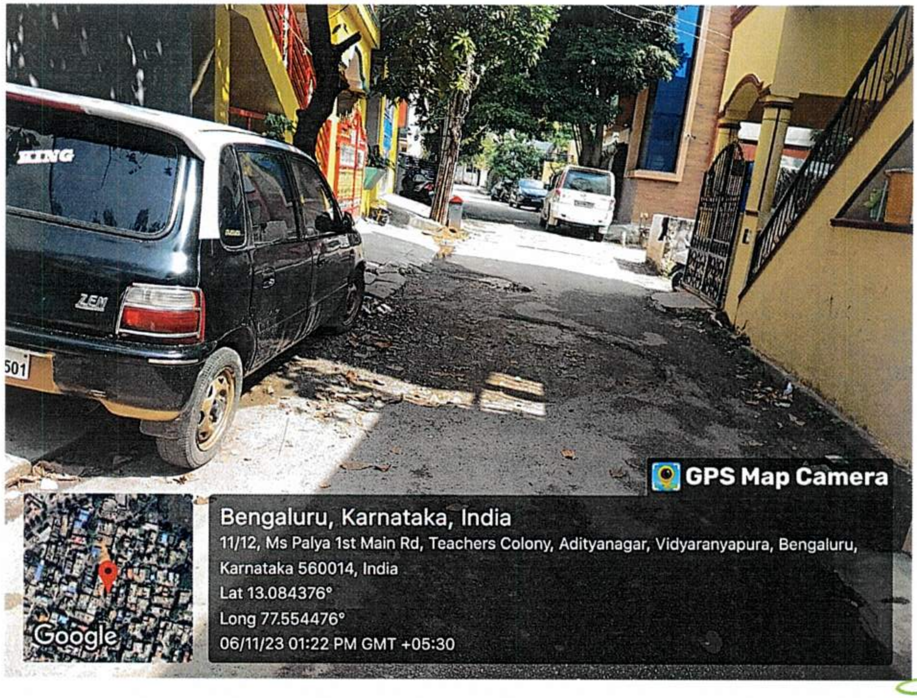
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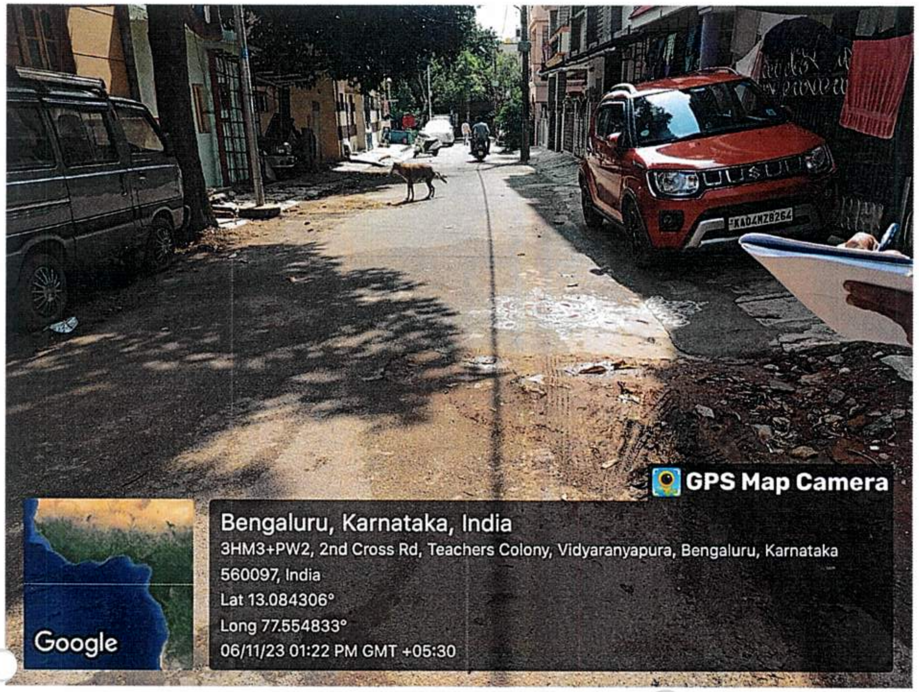
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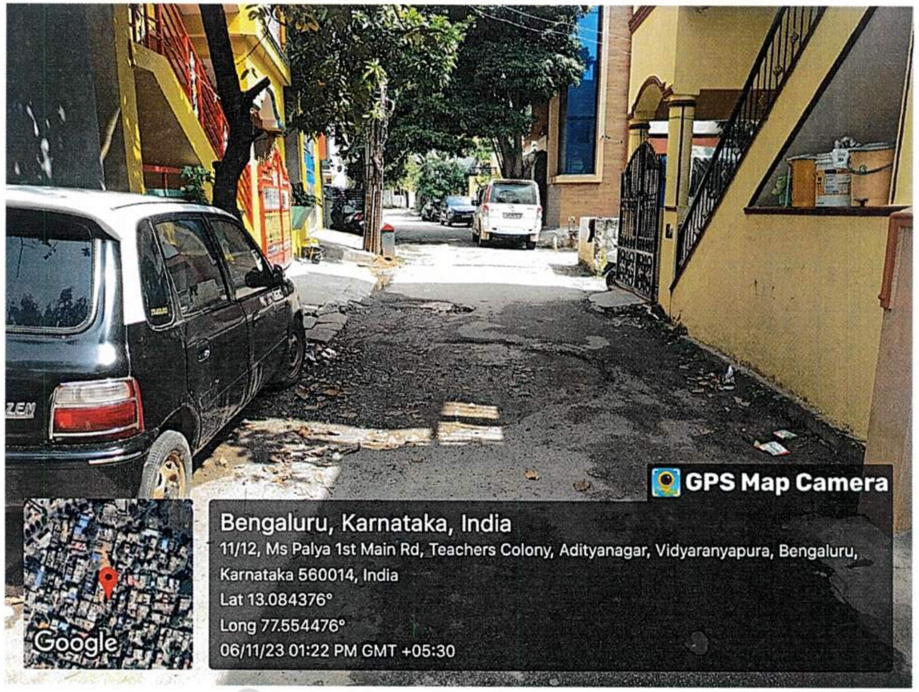
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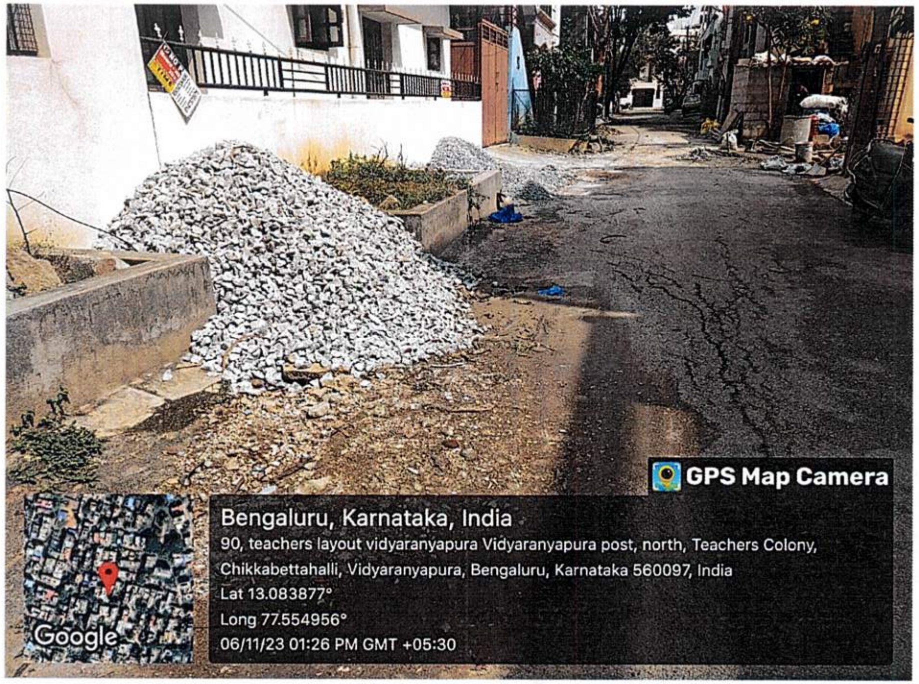
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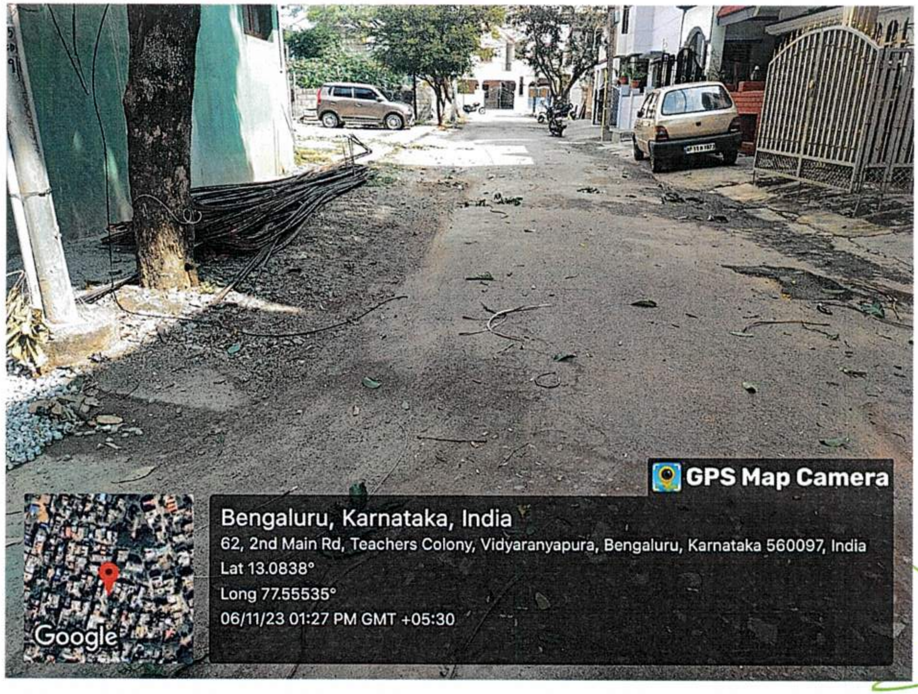
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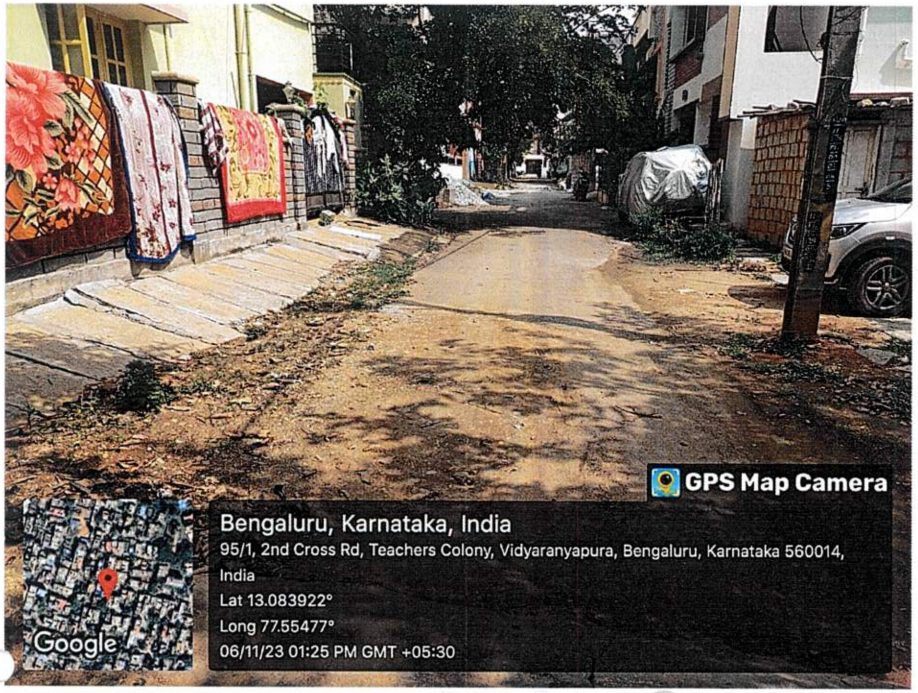
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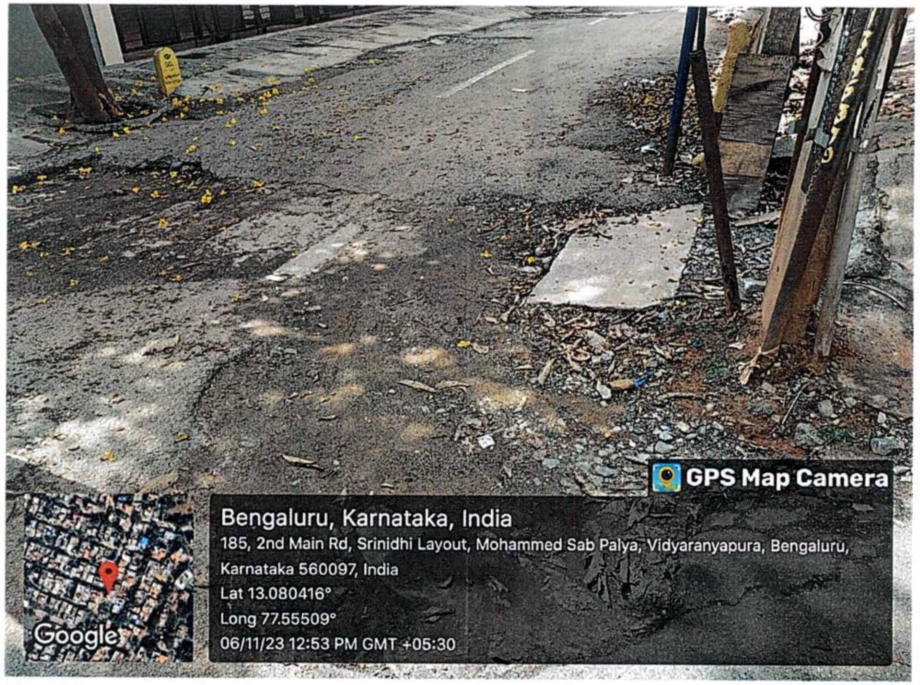
AEE (VRP) SD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Bengaluru, Karnataka, India
185, 2nd Main Rd, Srinidhi Layout, Mohammed Sab Palya, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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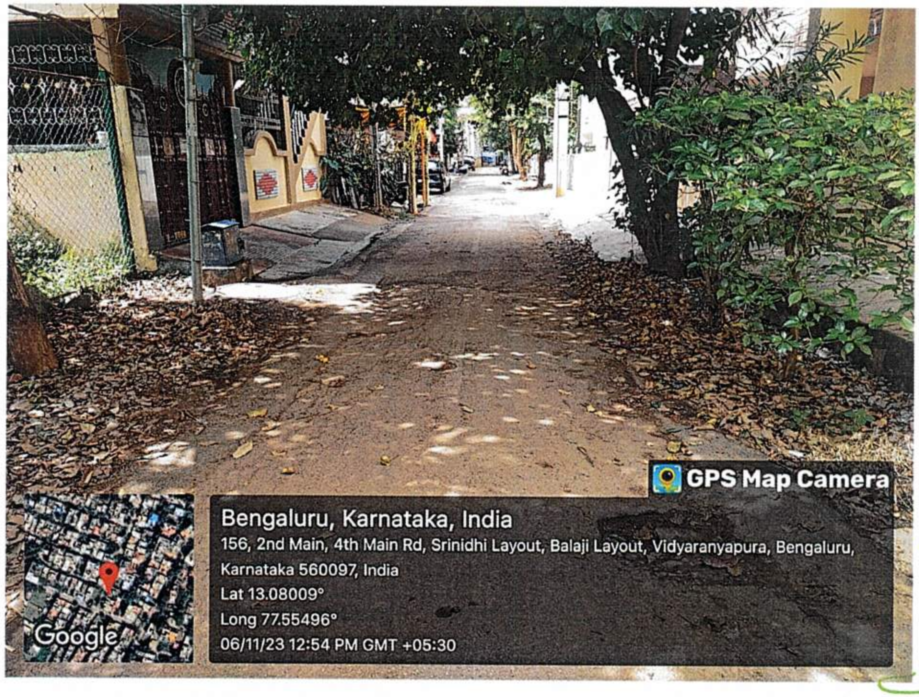
06/11/23 12:53 PM GMT +05:30
Google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156, 2nd Main, 4th Main Rd, Srinidhi Layout, Balaji Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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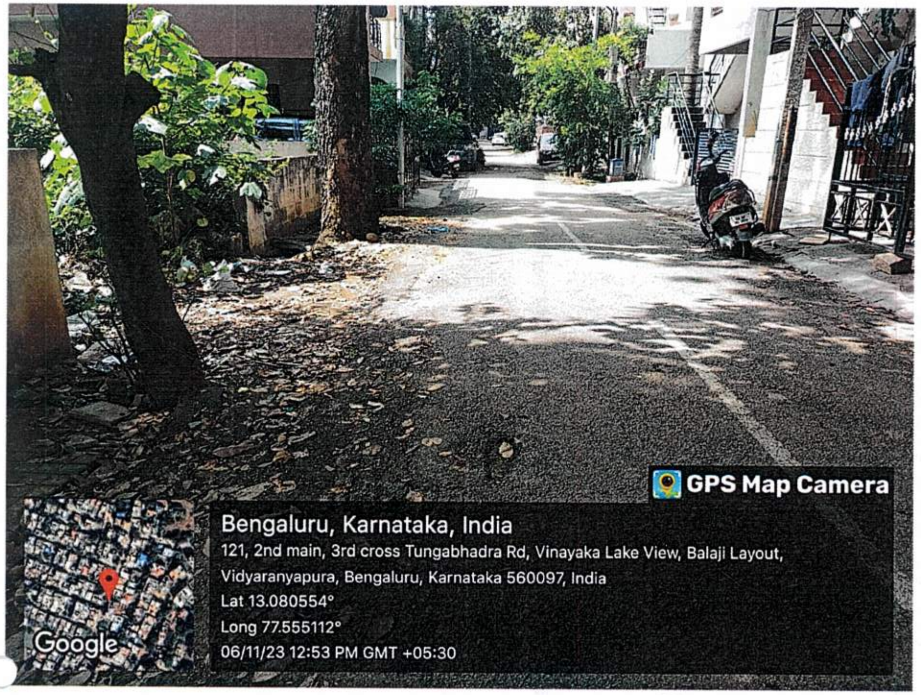
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121, 2nd main, 3rd cross Tungabhadra Rd, Vinayaka Lake View, Balaji Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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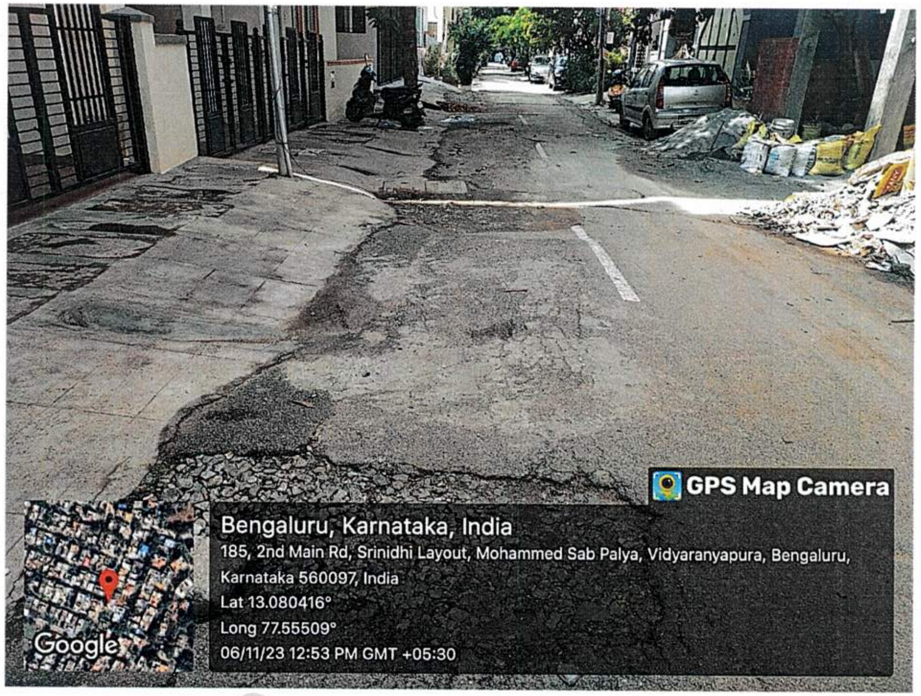
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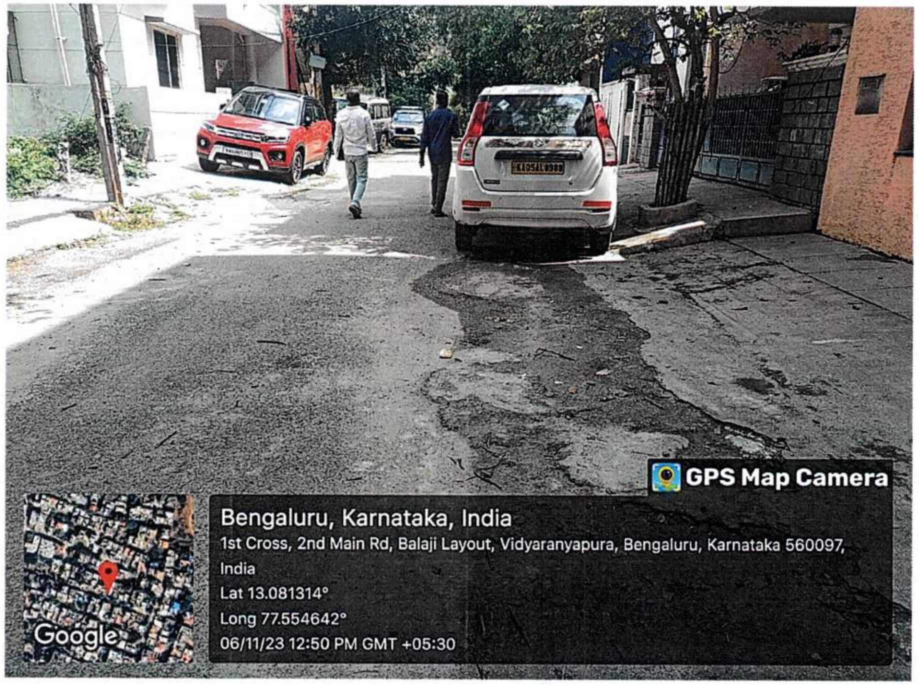
Google

AEE (VRP) SD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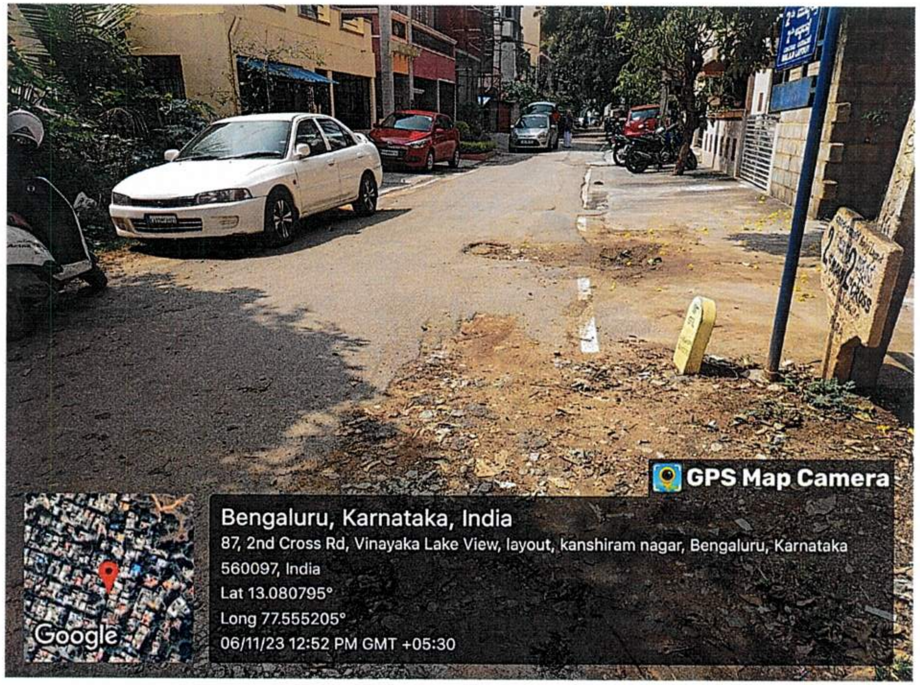
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87, 2nd Cross Rd, Vinayaka Lake View, layout, kanshiram nagar, Bengaluru, Karnataka 560097, India
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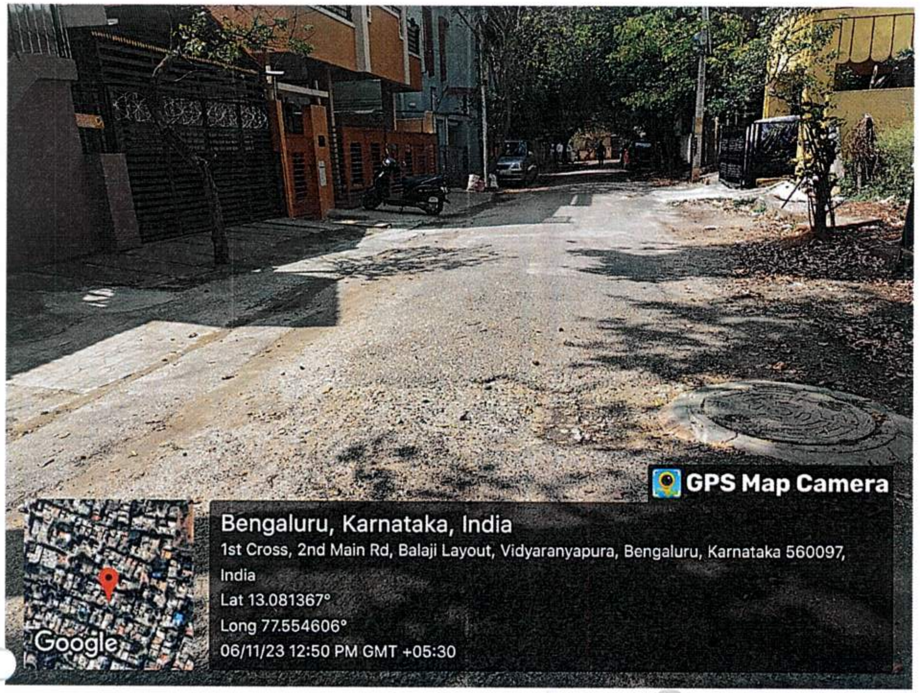
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1st Cross, 2nd Main Rd, Balaji Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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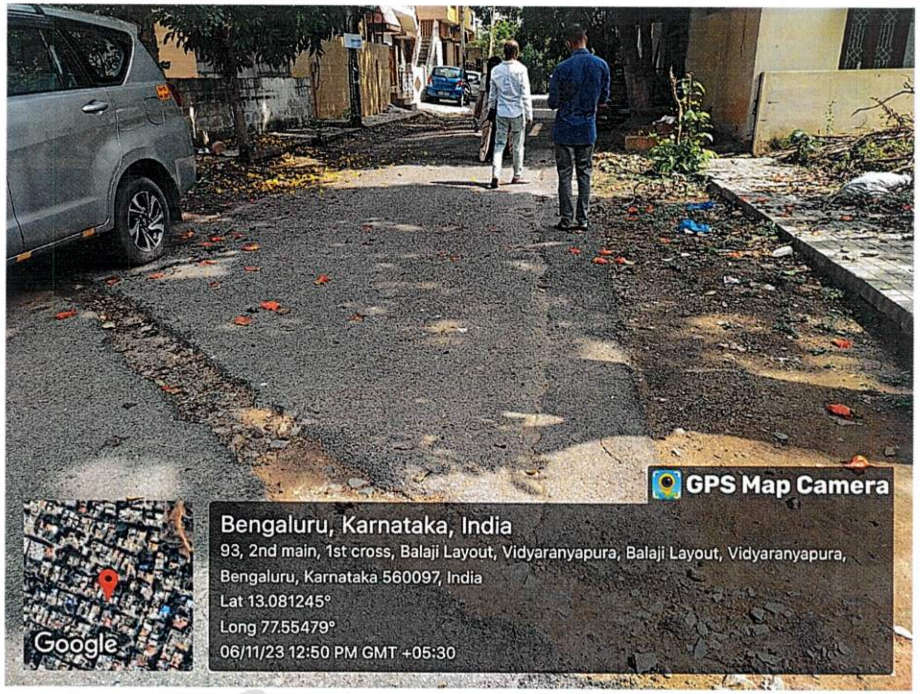
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Bengaluru, Karnataka, India
93, 2nd main, 1st cross, Balaji Layout, Vidyaranyapura, Balaji Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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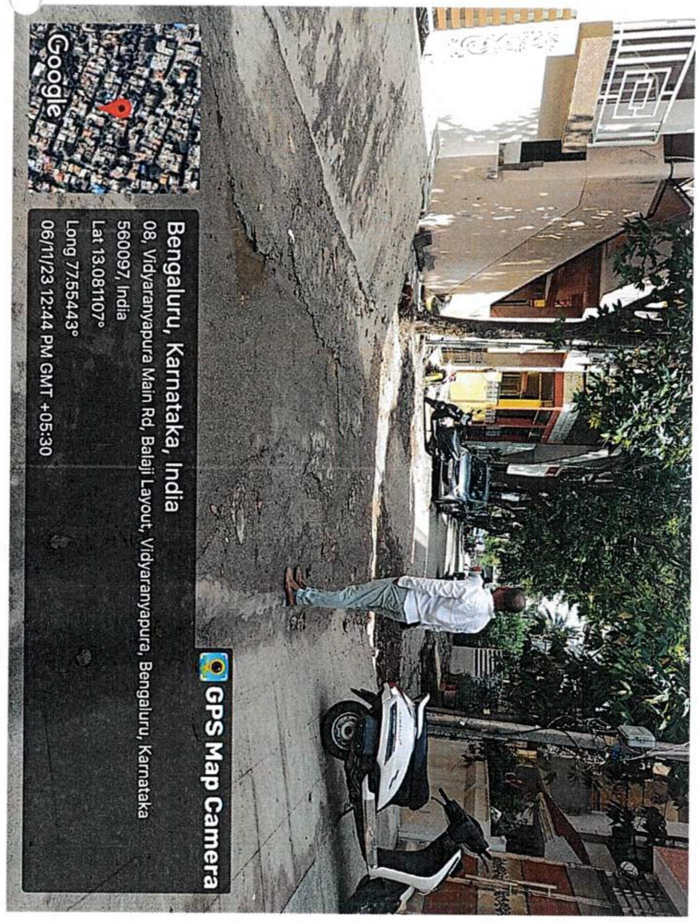
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08, Vidyaranyapura Main Rd, Balaji Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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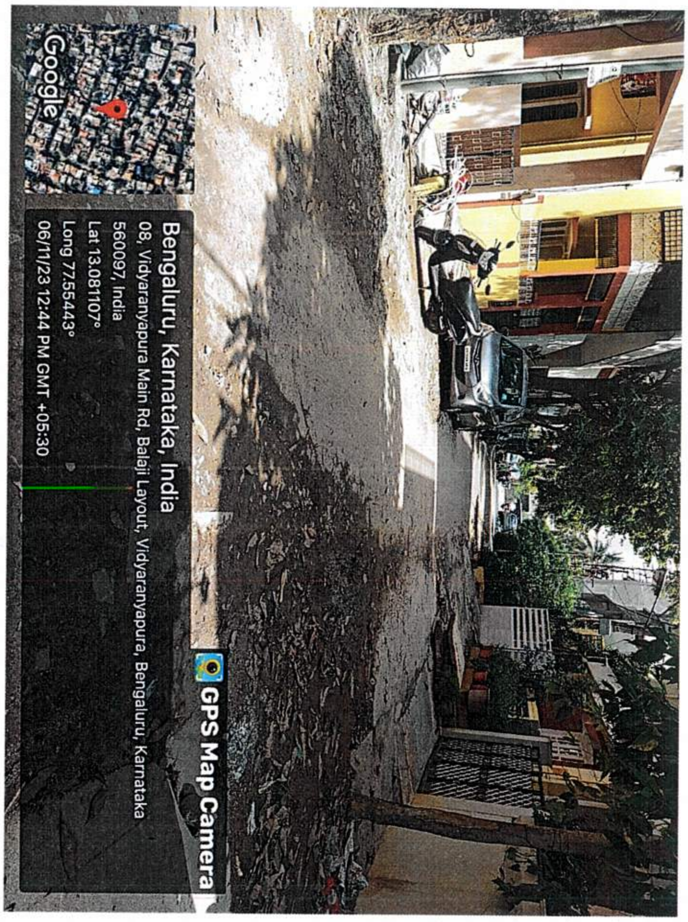
Long 77.55443°
06/11/23 12:44 PM GMT +05:30
Google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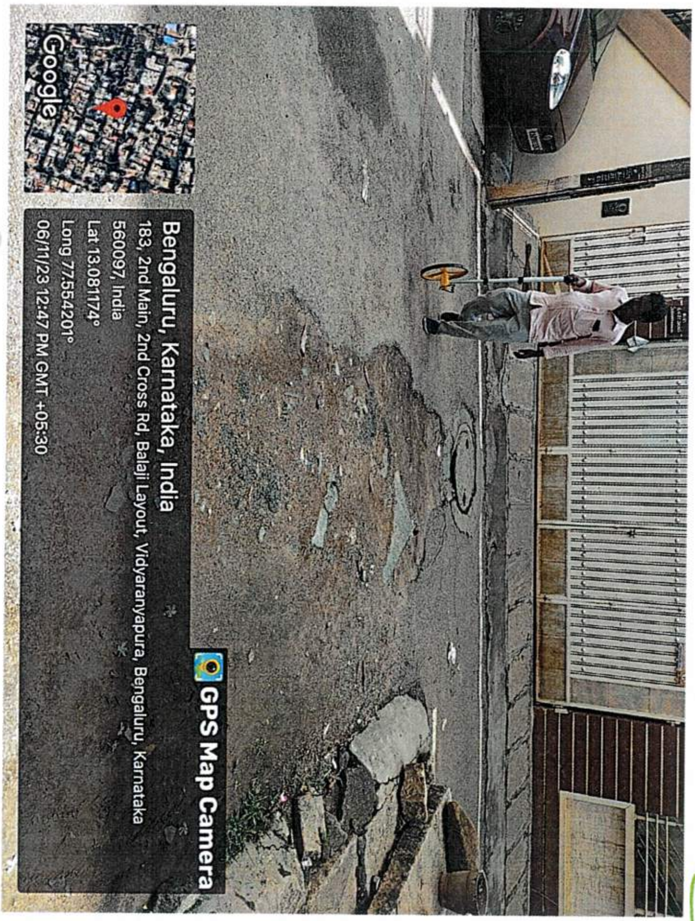
Bengaluru, Karnataka, India
08, Vidyaranyapura Main Rd, Balaji Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
Lat 13.081107°
Long 77.55443°
06/11/23 12:44 PM GMT +05:30
Google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Bengaluru, Karnataka, India
183, 2nd Main, 2nd Cross Rd, Balaji Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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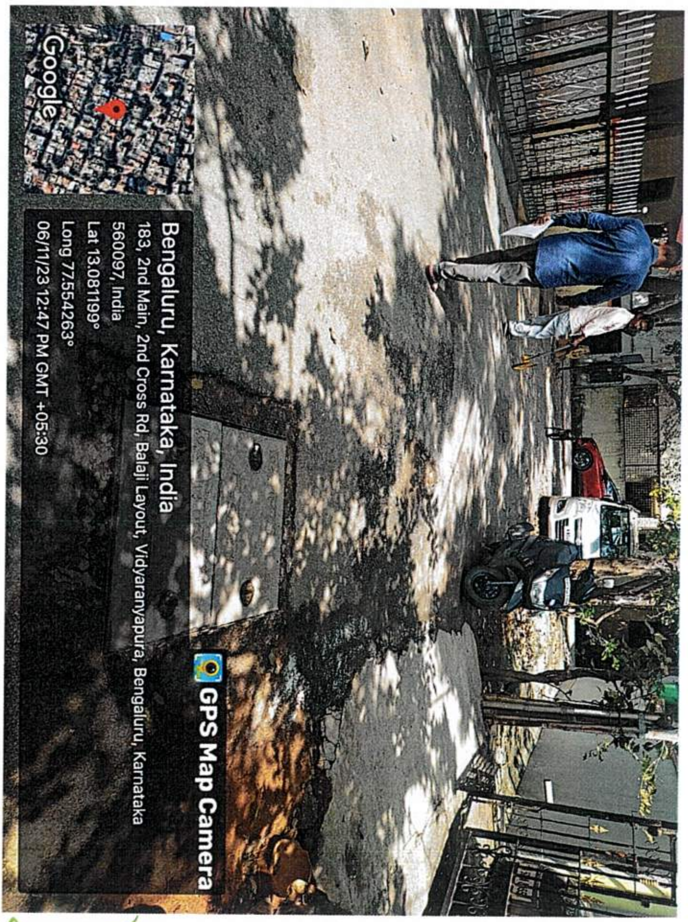
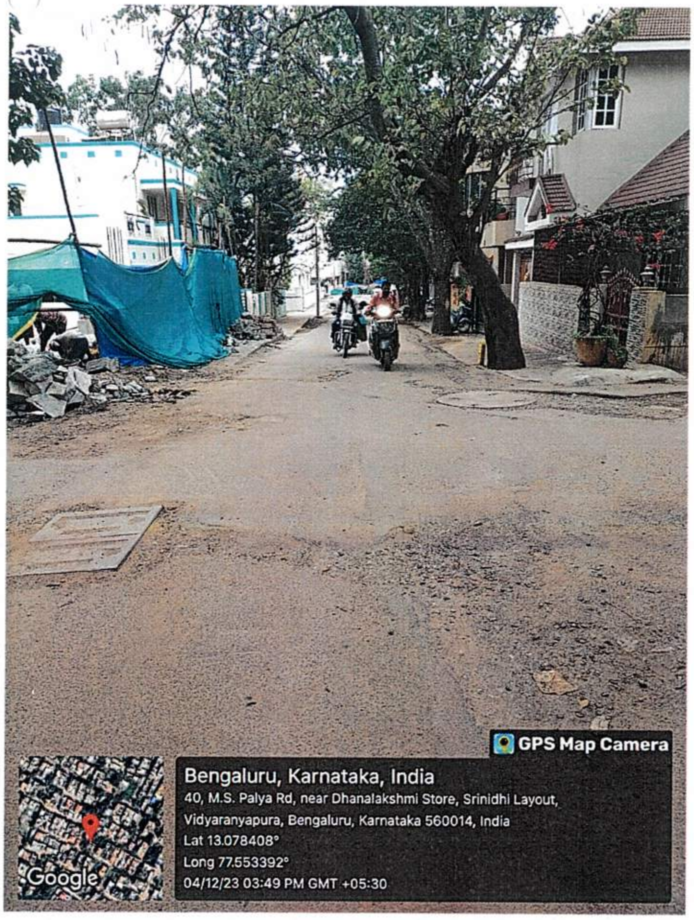
Long 77.554201°
06/11/23 12:47 PM GMT +05:30
Google


GPS Map Camera
Bengaluru, Karnataka, India
183, 2nd Main, 2nd Cross Rd, Balaji Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
Lat 13.081199°
Long 77.554263°
06/11/23 12:47 PM GMT +05:30
Google

AEE (VRP) SD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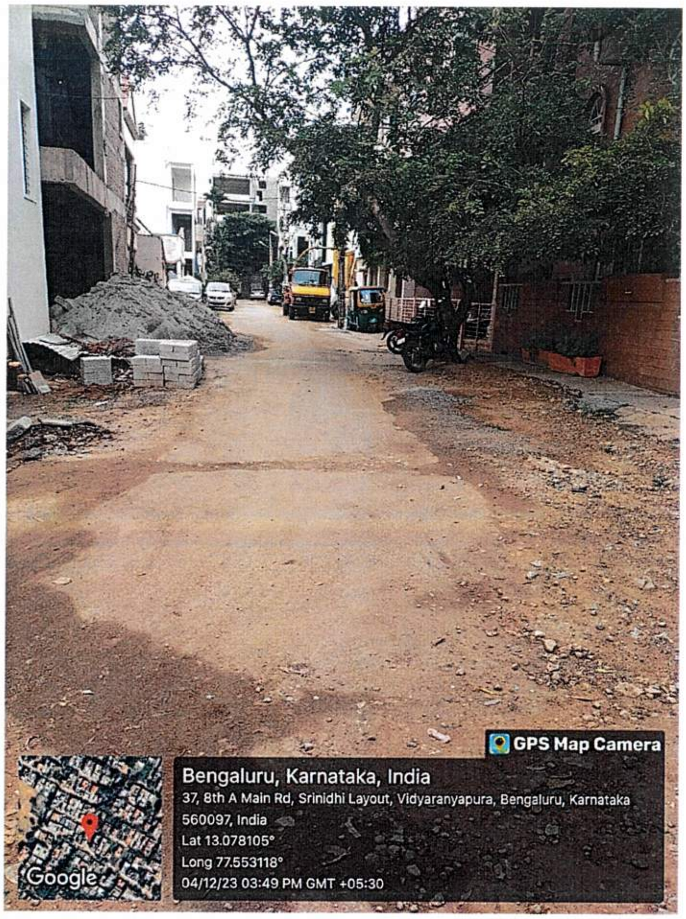
Google
Bengaluru, Karnataka, India
40, M.S. Palya Rd, near Dhanalakshmi Store, Srinidhi Layout, Vidyaranyapura, Bengaluru, Karnataka 560014, India
Lat 13.078408°
Long 77.553392°
04/12/23 03:49 PM GMT +05:30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Google
Bengaluru, Karnataka, India
37, 8th A Main Rd, Srinidhi Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
Lat 13.078105°
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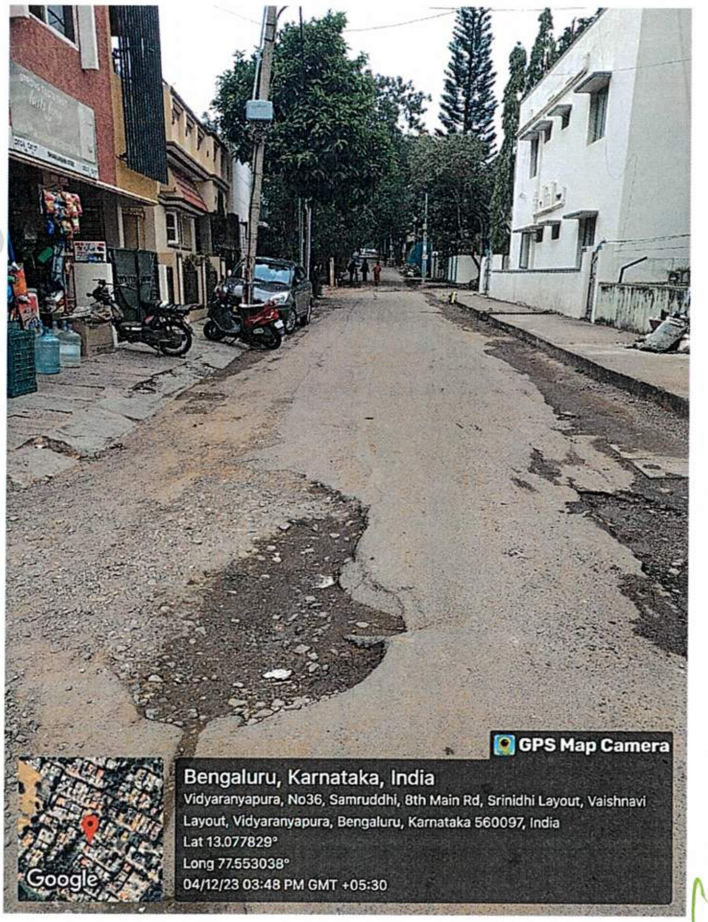
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Google
Bengaluru, Karnataka, India
Vidyaranyapura, No36, Samruddhi, 8th Main Rd, Srinidhi Layout, Vaishnavi Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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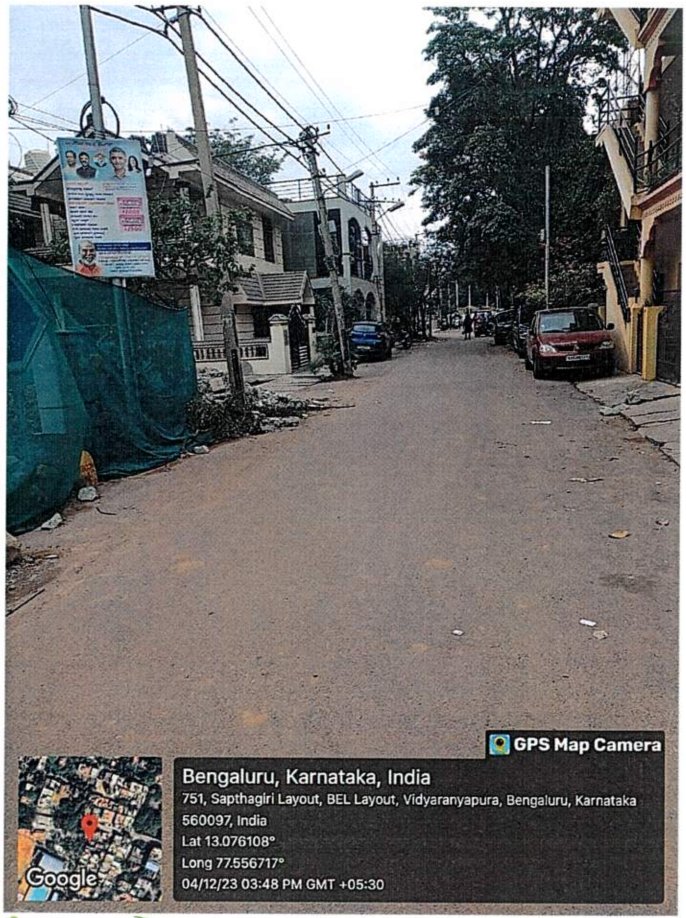
Long 77.553038°
04/12/23 03:48 PM GMT +05:30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751, Sapthagiri Layout, BEL Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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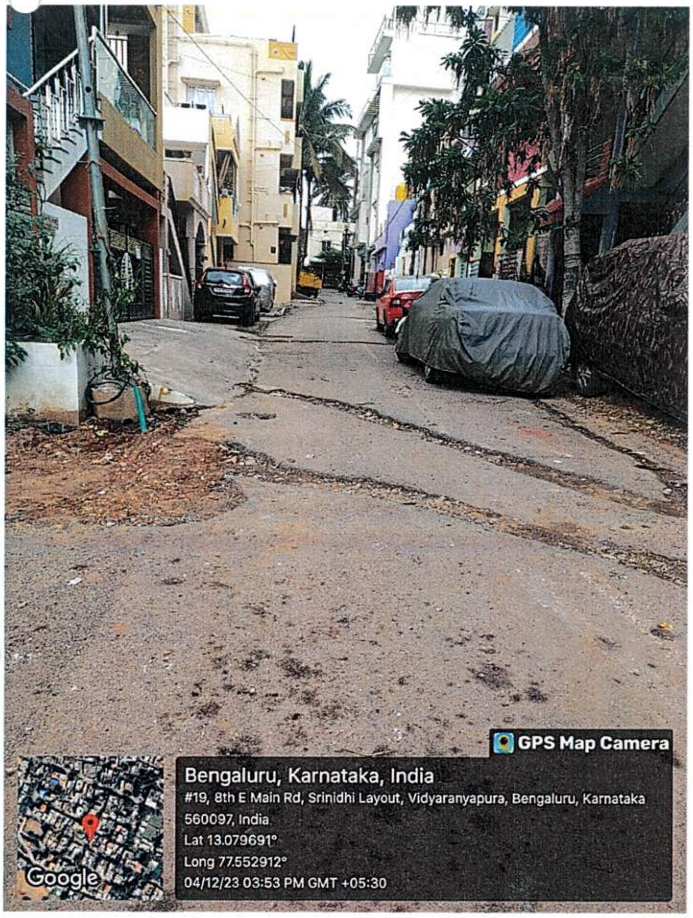
AEE (VRP) SD


GPS Map Camera
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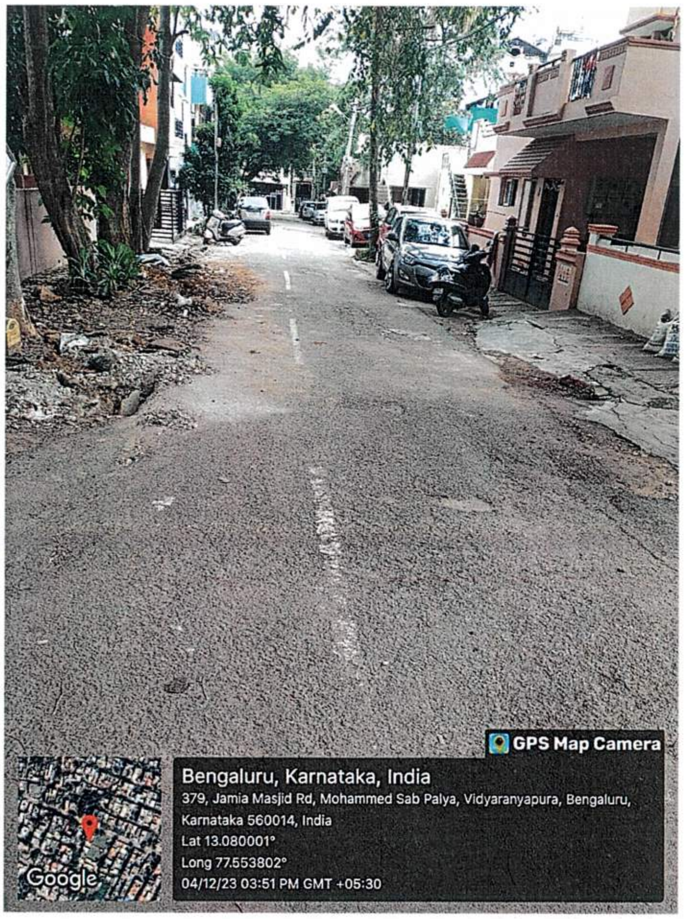
Bengaluru, Karnataka, India
#19, 8th E Main Rd, Srinidhi Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
Lat 13.079691°
Long 77.552912°
04/12/23 03:53 PM GMT +05:30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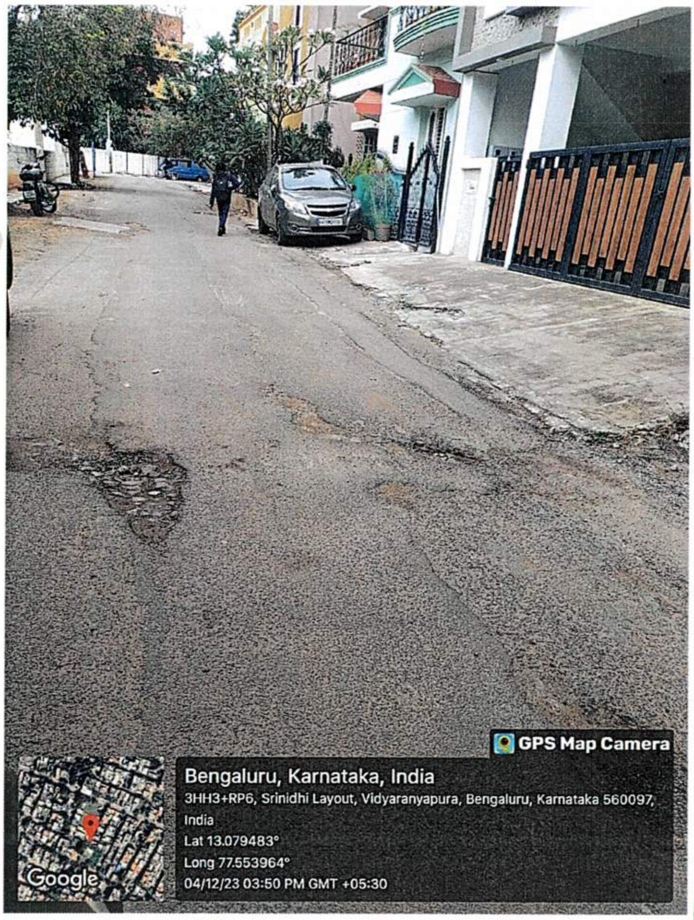
Bengaluru, Karnataka, India
379, Jamia Masjid Rd, Mohammed Sab Palya, Vidyaranyapura, Bengaluru, Karnataka 560014, India
Lat 13.080001°
Long 77.553802°
04/12/23 03:51 PM GMT +05:30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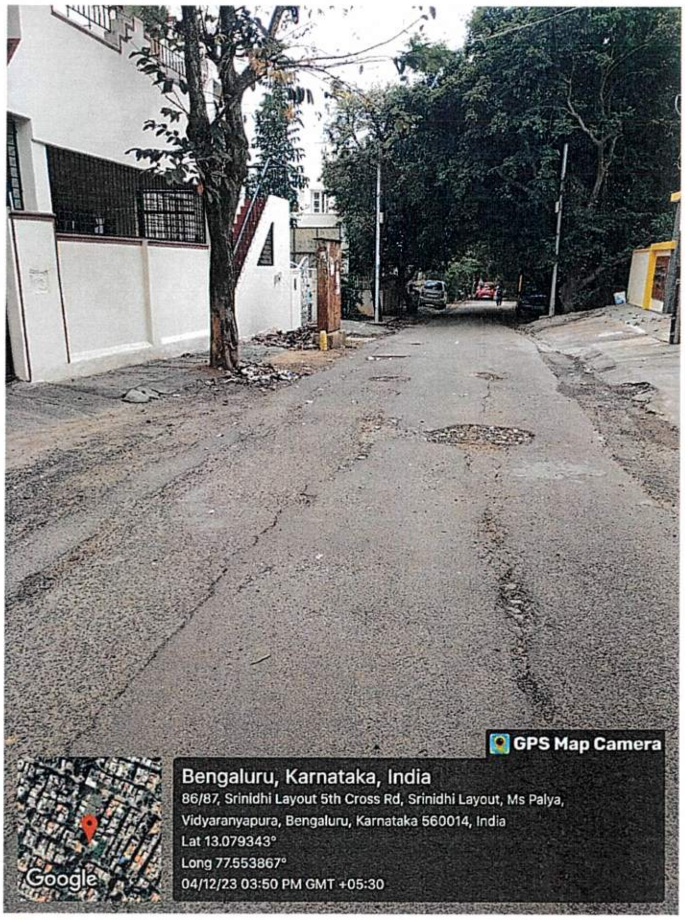
Google

Bengaluru, Karnataka, India
3HH3+RP6, Srinidhi Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
Lat 13.079483°
Long 77.553964°
04/12/23 03:50 PM GMT +05:30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Bengaluru, Karnataka, India
86/87, Srinidhi Layout 5th Cross Rd, Srinidhi Layout, Ms Palya, Vidyaranyapura, Bengaluru, Karnataka 560014, India
Lat 13.079343°
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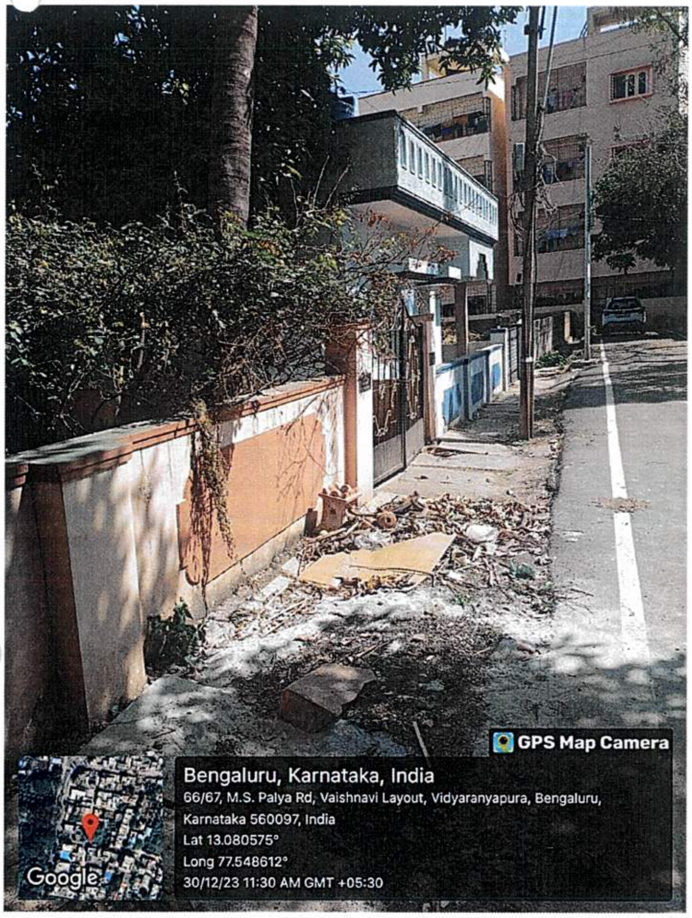
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Bengaluru, Karnataka, India
66/67, M.S. Palya Rd, Vaishnavi Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
Lat 13.080575°
Long 77.548612°
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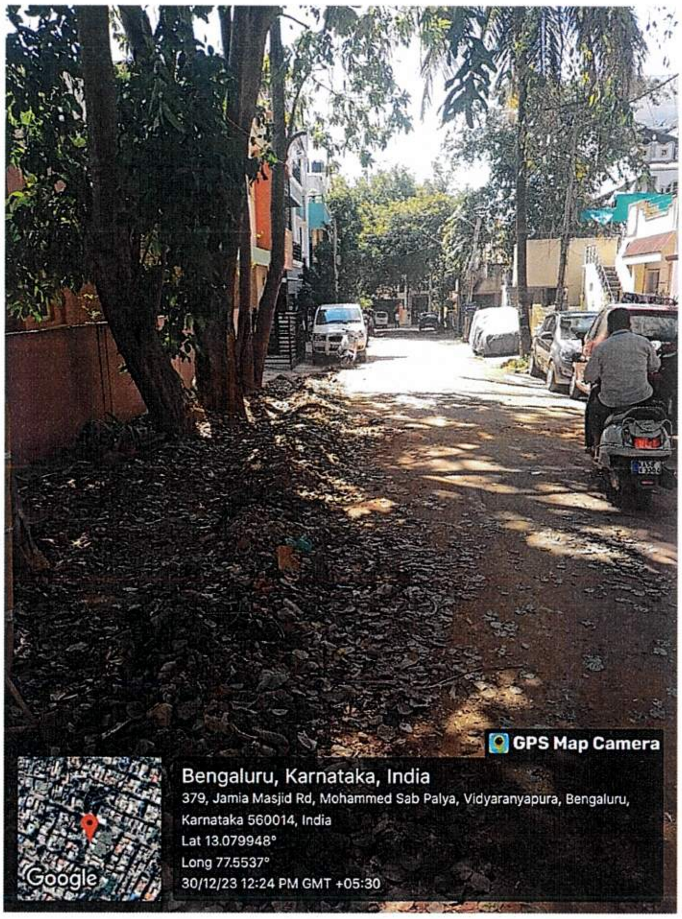
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379, Jamia Masjid Rd, Mohammed Sab Palya, Vidyaranyapura, Bengaluru, Karnataka 560014, India
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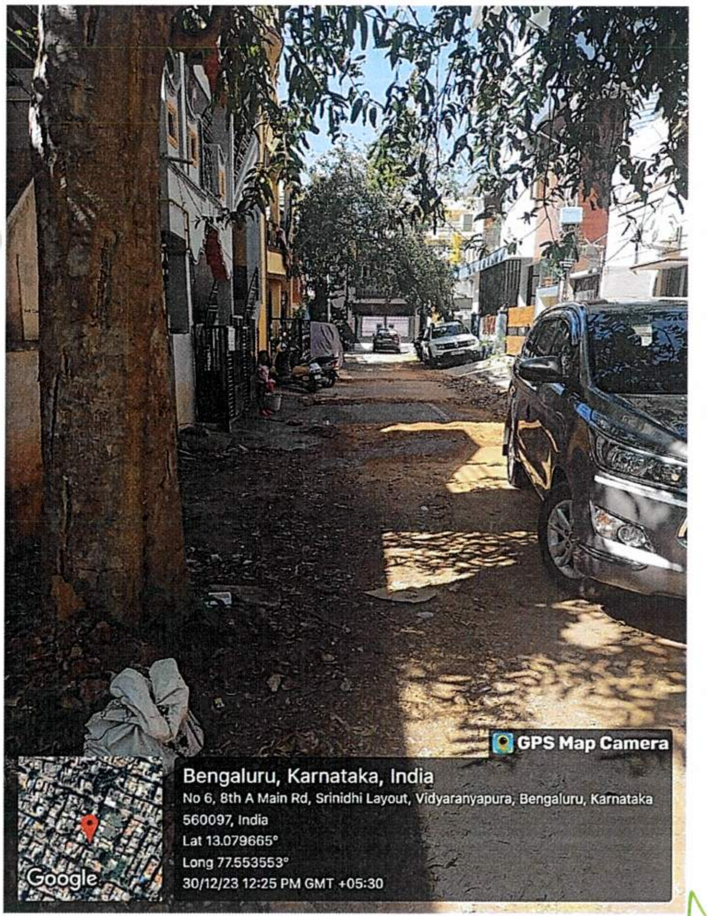
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Bengaluru, Karnataka, India
No 6, 8th A Main Rd, Srinidhi Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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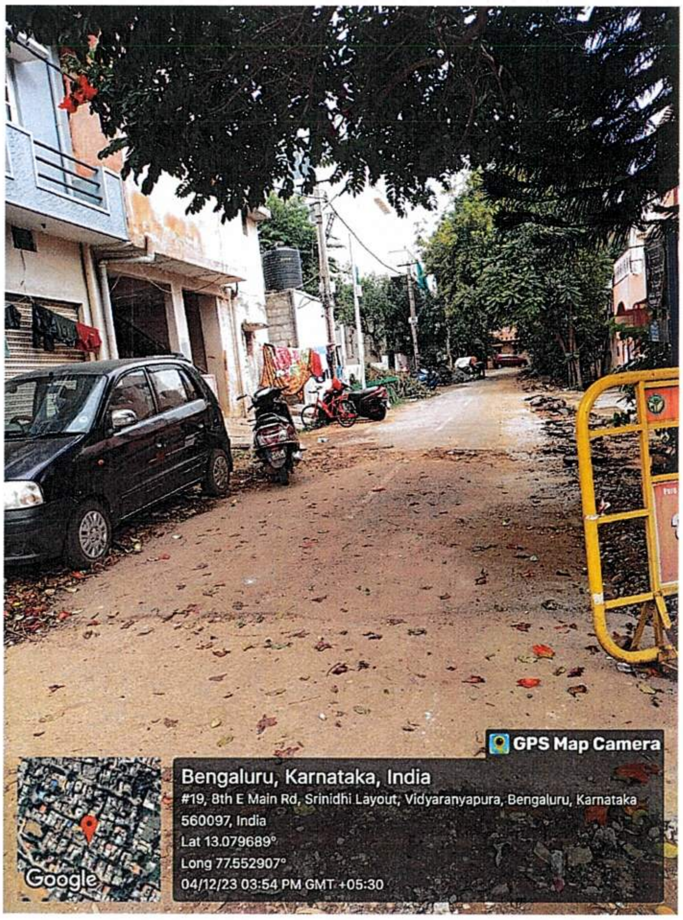
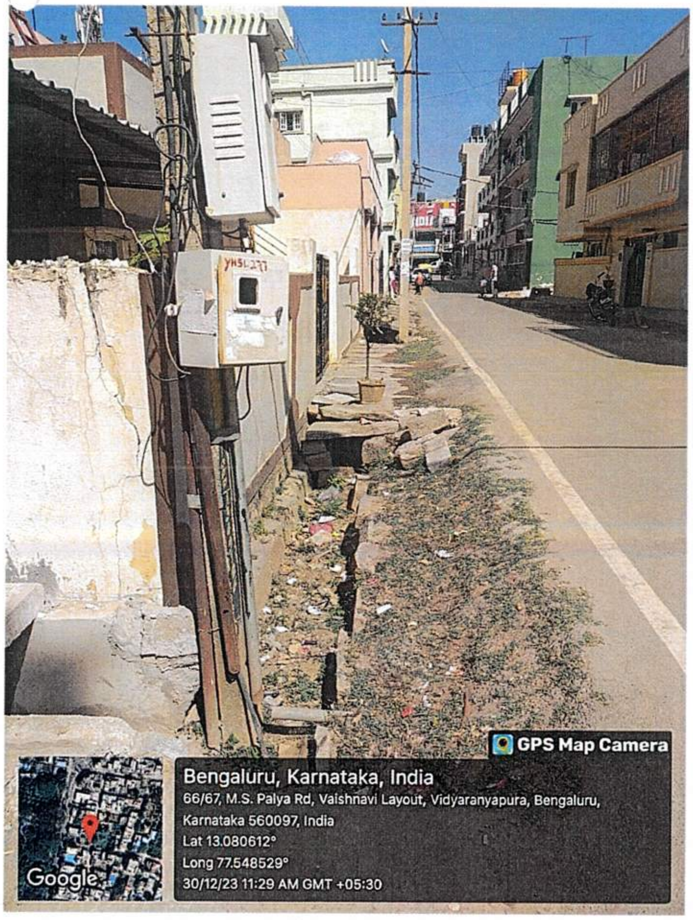

GPS Map Camera
Google
Bengaluru, Karnataka, India
#19, 8th E Main Rd, Srinidhi Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
Lat 13.079689°
Long 77.552907°
04/12/23 03:54 PM GMT +05:30

AEE (VRP) SD


GPS Map Camera
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Bengaluru, Karnataka, India
66/67, M.S. Palya Rd, Vaishnavi Layout, Vidyaranyapura, Bengaluru,
Karnataka 560097, India
Lat 13.080612°
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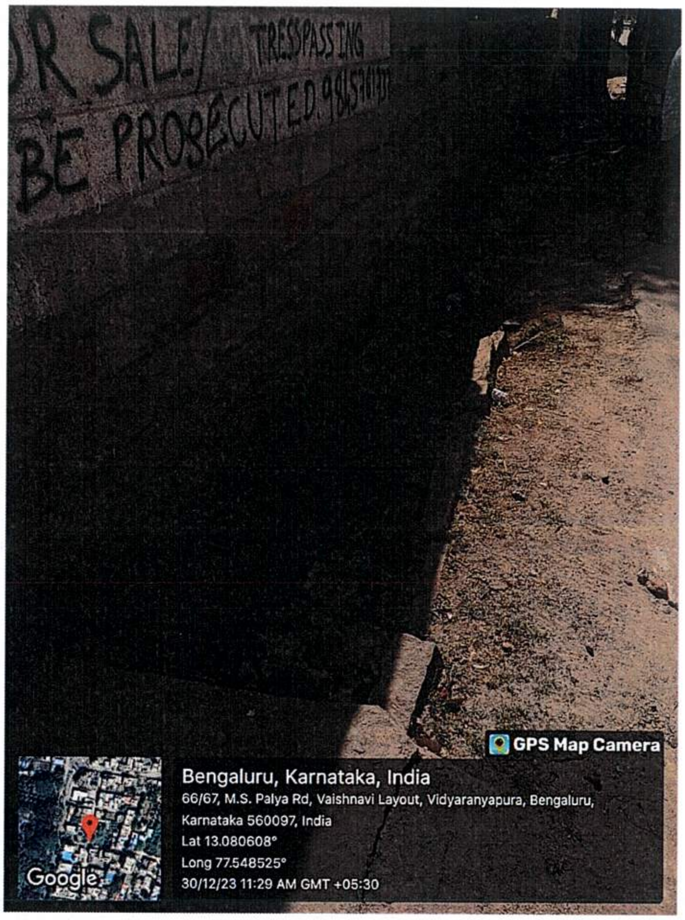
R SALE/
TRESSPASSING
BE PROSECUTED
GPS Map Camera
Google
Bengaluru, Karnataka, India
66/67, M.S. Palya Rd, Vaishnavi Layout, Vidyaranyapura, Bengaluru,
Karnataka 560097, India
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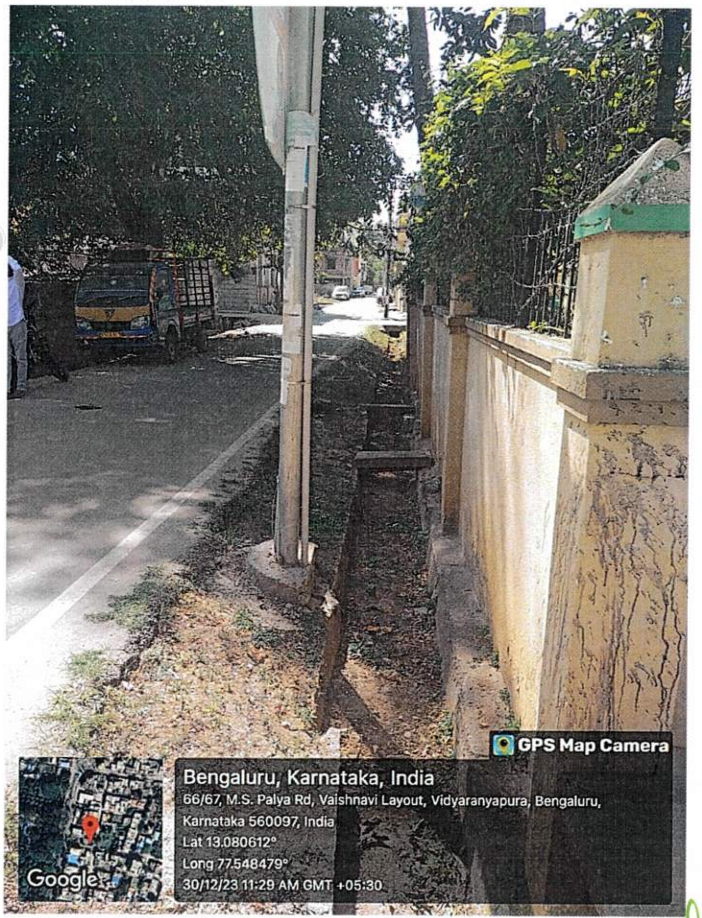
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Bengaluru, Karnataka, India
66/67, M.S. Palya Rd, Vaishnavi Layout, Vidyaranyapura, Bengaluru,
Karnataka 560097, India
Lat 13.080612°
Long 77.548479°
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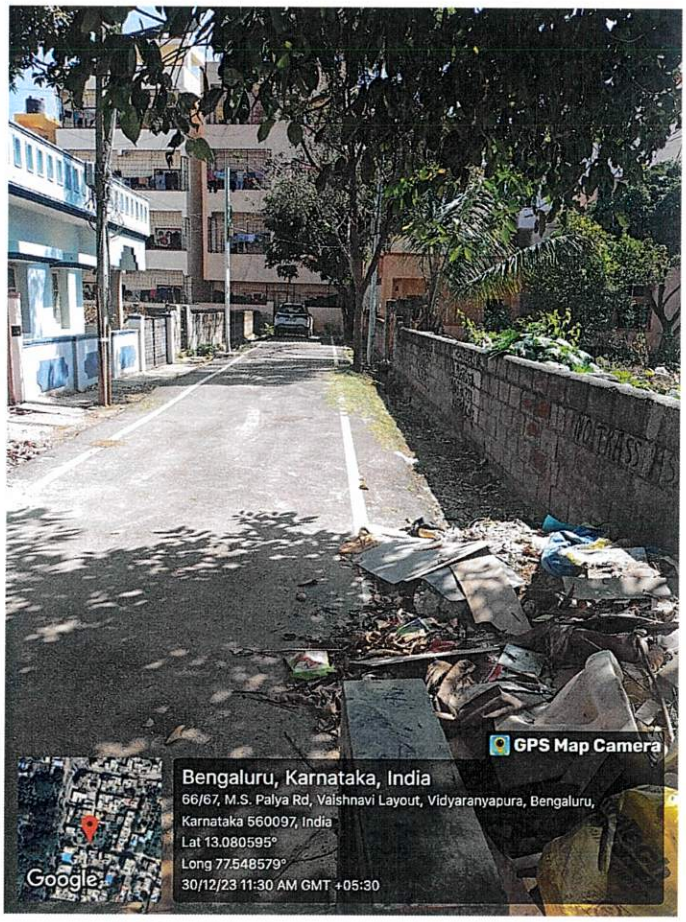
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Bengaluru, Karnataka, India
66/67, M.S. Palya Rd, Vaishnavi Layout, Vidyaranyapura, Bengaluru,
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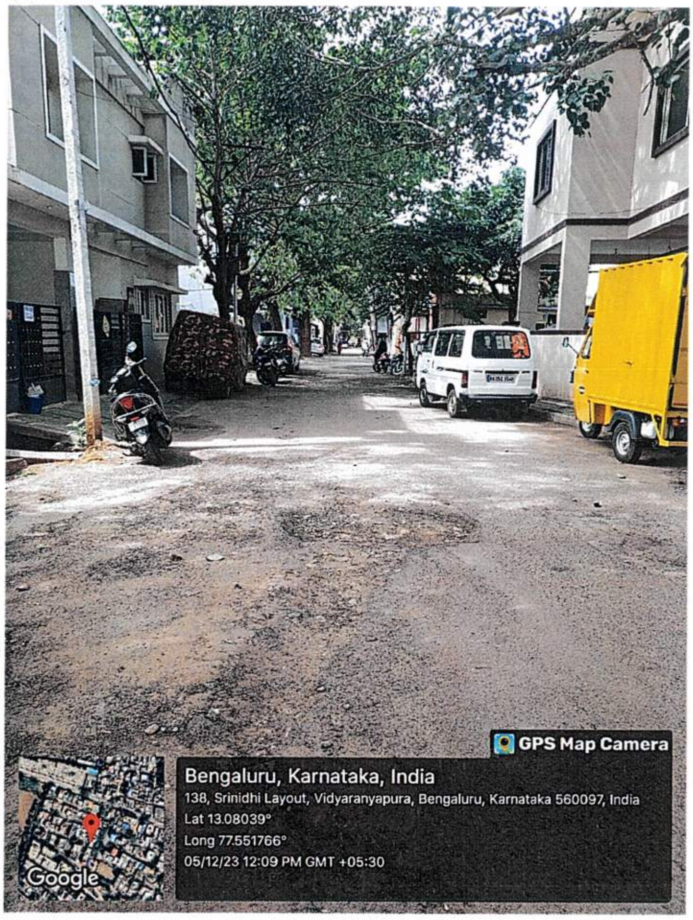
AEE (VRP) SD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Bengaluru, Karnataka, India
138, Srinidhi Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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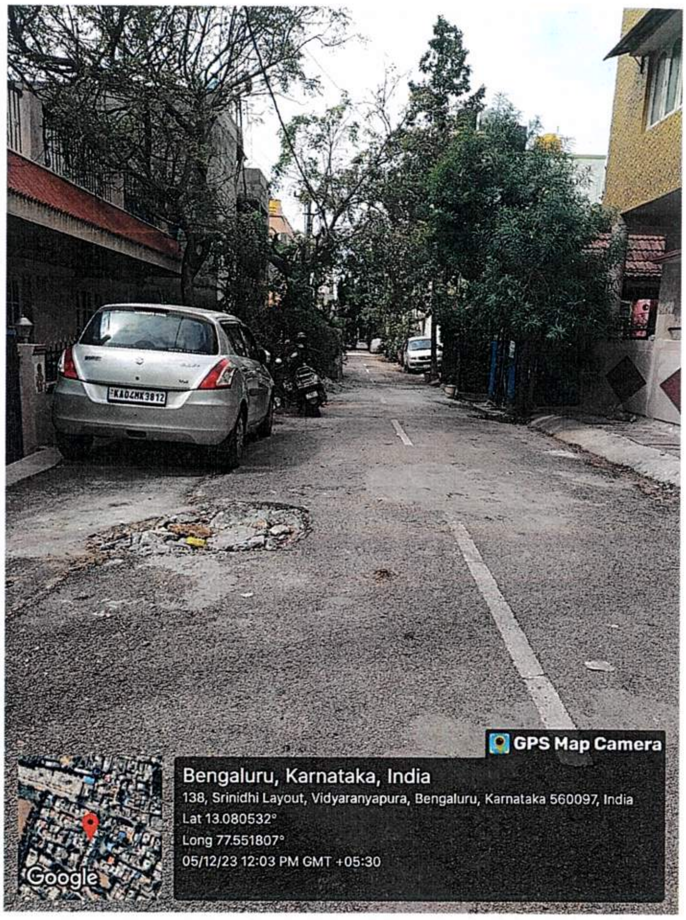
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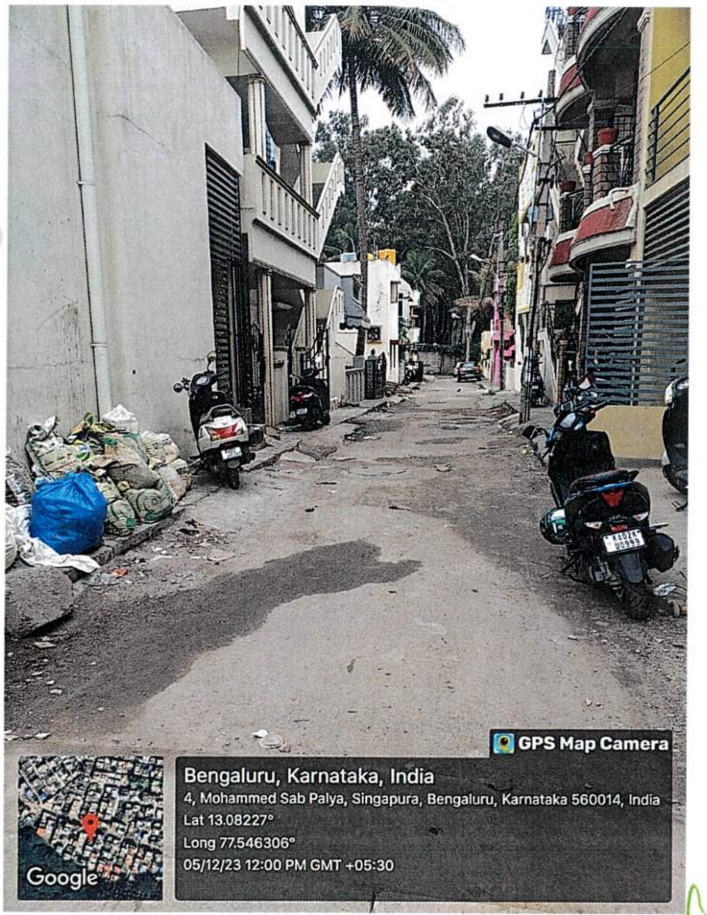
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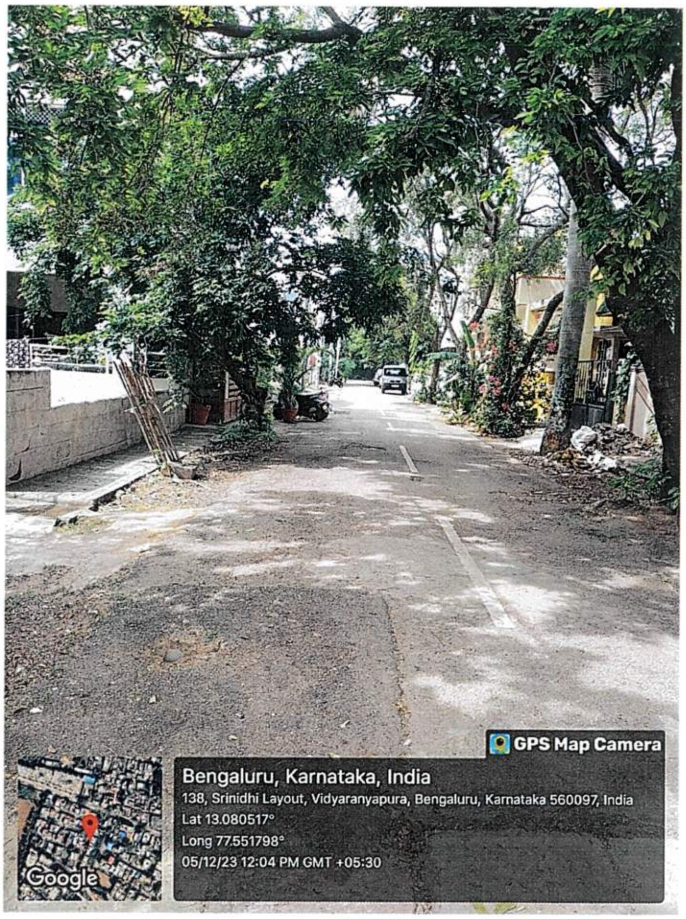
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Bengaluru, Karnataka, India
138, Srinidhi Layout, Vidyaranyapura, Bengaluru, Karnataka 560097, India
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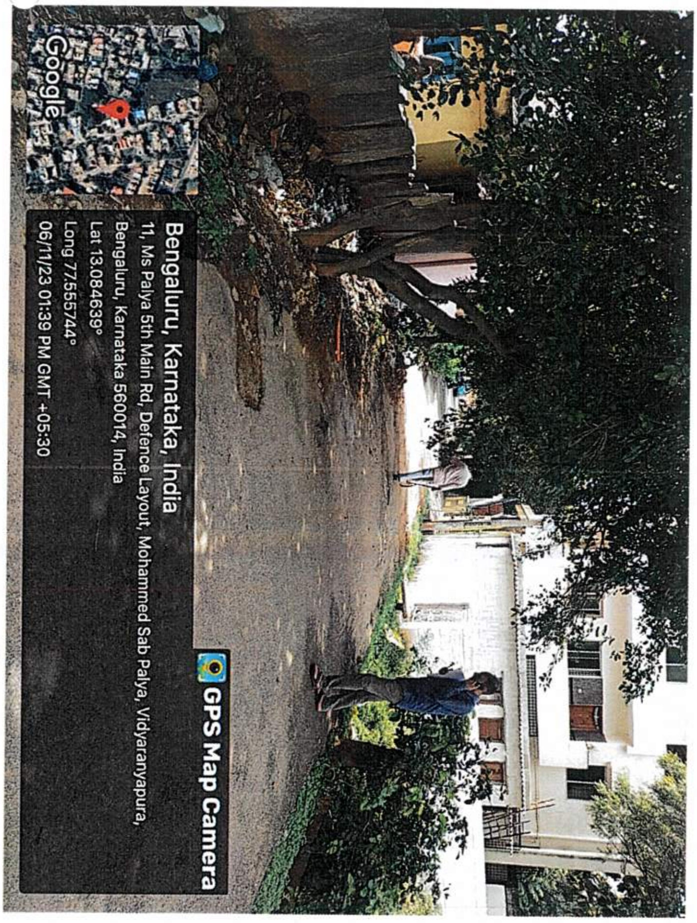
AEE (VRP) SD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Lat 13.084639°
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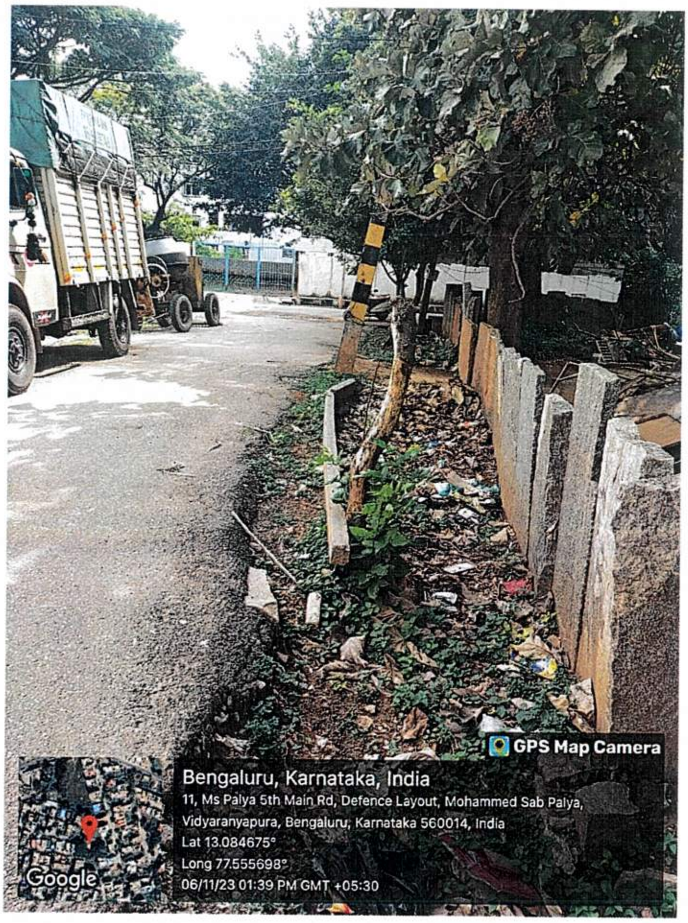
Google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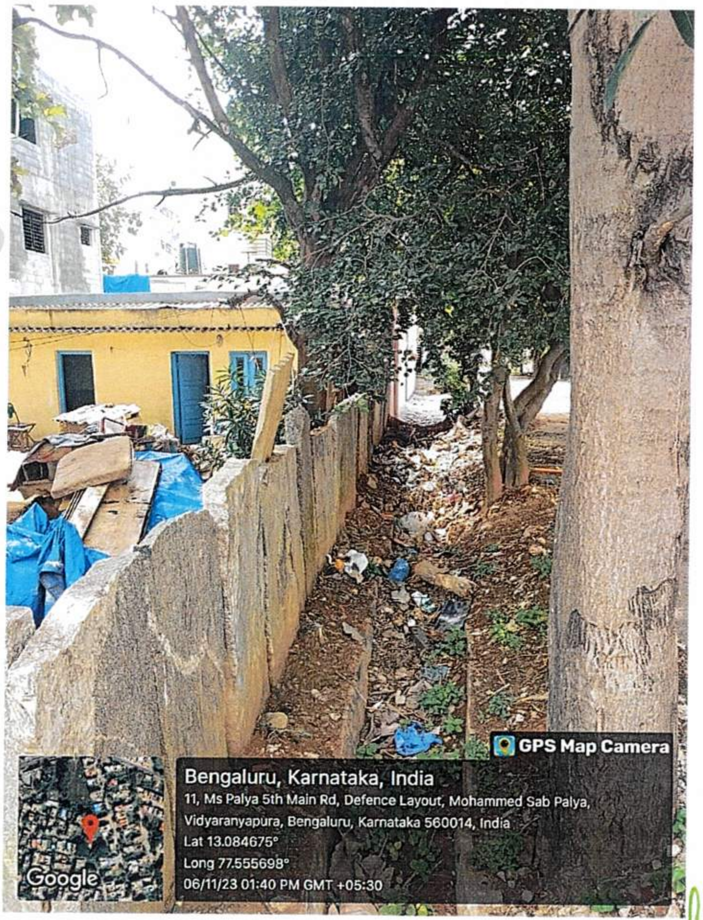
Google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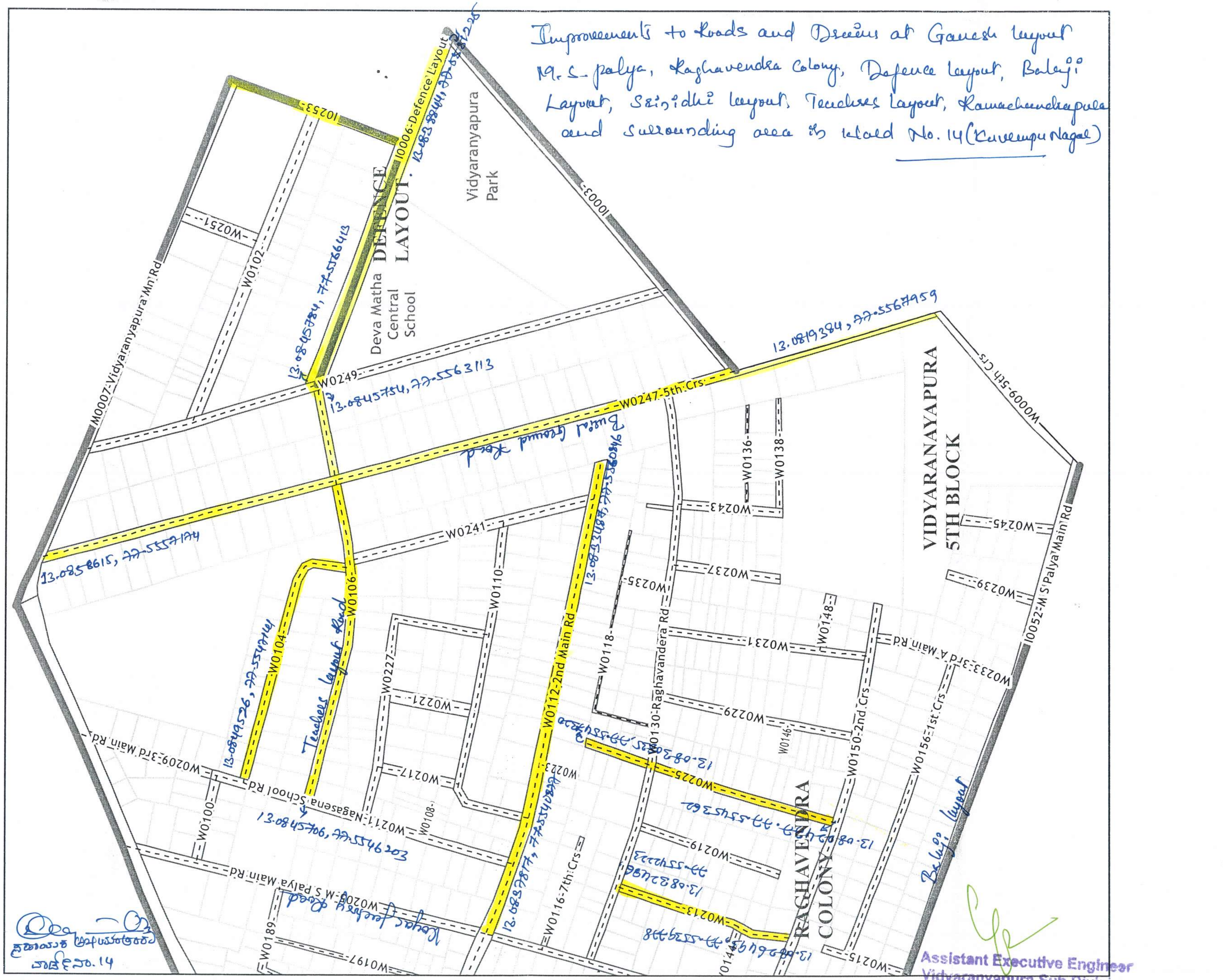
Lat 13.084675°
Long 77.555698°
06/11/23 01:40 PM GMT +05:30
Google

AEE (VRP) SD

Improvements to Roads and Drains at Ganesh layout
M. S. palya, Raghavendra Colony, Defence layout, Balaji
Layout, Srinidhi layout, Teachers Layout, Ramachandrapura
and surrounding area in Ward No. 14 (Kuvempu Nagar)


10006-Defence Layout
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10253-
10003-
DEFENCE LAYOUT.
Vidyaranyapura Park
Deva Matha Central School
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W0102
13.0845784, 77.5566413
W0249
13.0845754, 77.5563113
M0007-Vidyaranyapura Mn Rd
W0247-5th Crs
13.0819384, 77.5567959
Burial Ground Road
13.0833488, 77.5560846
13.0858615, 77.5557174
W0241
W0136
W0138
W0243
VIDYARANAYAPURA 5TH BLOCK
W0009-5th Crs
W0245
W0237
W0235
W0239
10052-M S Palya Main Rd
W0106
Teachers layout Road
W0104
13.0849526, 77.5547144
W0110
W0227
W0221
W0217
W0112-2nd Main Rd
W0118
W0130-Raghavandera Rd
W0231
W0148
W0233-3rd A Main Rd
W0229
W0146
W0150-2nd Crs
W0156-1st Crs
W0223
W0225
13.0832025, 77.5547220
13.0824427, 77.5545360
W0209-3rd Main Rd
Nagasena School Rd
W0211-Nagasena School Rd
13.0845706, 77.5546203
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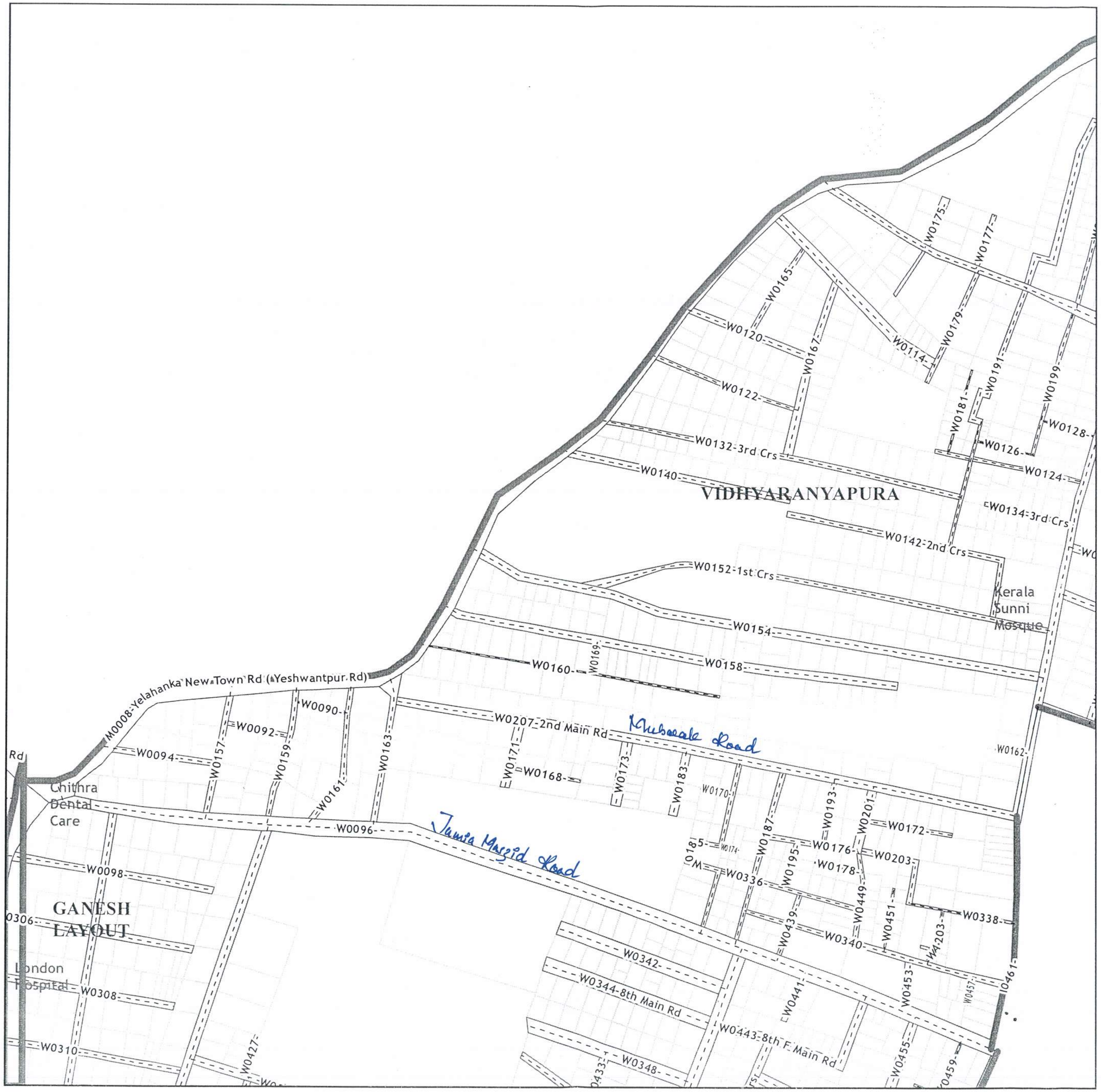
W0100
M S Palya Main Rd
W0205-M S Palya Main Rd
Royal Enclave Road
W0189
W0197
W0116-7th Crs
12.0837817, 77.5540837
W0219
13.0832486, 77.5542223
W0213
13.0826495, 77.5539338
W0144
RAGHAVENDRA COLONY
W0215
Balaji layout

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ.14

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97


VIDHYARANYAPURA
GANESH LAYOUT
M0008-Yelahanka New Town Rd (Yeshwantpur Rd)
Rd
Chithra Dental Care
London Hospital
Kerala Sunni Mosque
W0175
W0177
W0165
W0120
W0167
W0114
W0179
W0191
W0199
W0122
W0181
W0128
W0126
W0132-3rd Crs
W0124
W0140
W0134-3rd Crs
W0142-2nd Crs
W0152-1st Crs
W0154
W0158
W0160
W0169
W0090
W0092
W0094
W0157
W0159
W0161
W0163
W0207-2nd Main Rd
Mubarak Road
W0171
W0168
W0173
W0183
W0170
W0162
W0096
Jamia Masjid Road
W0187
W0193
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W0203
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W0336
W0449
W0451
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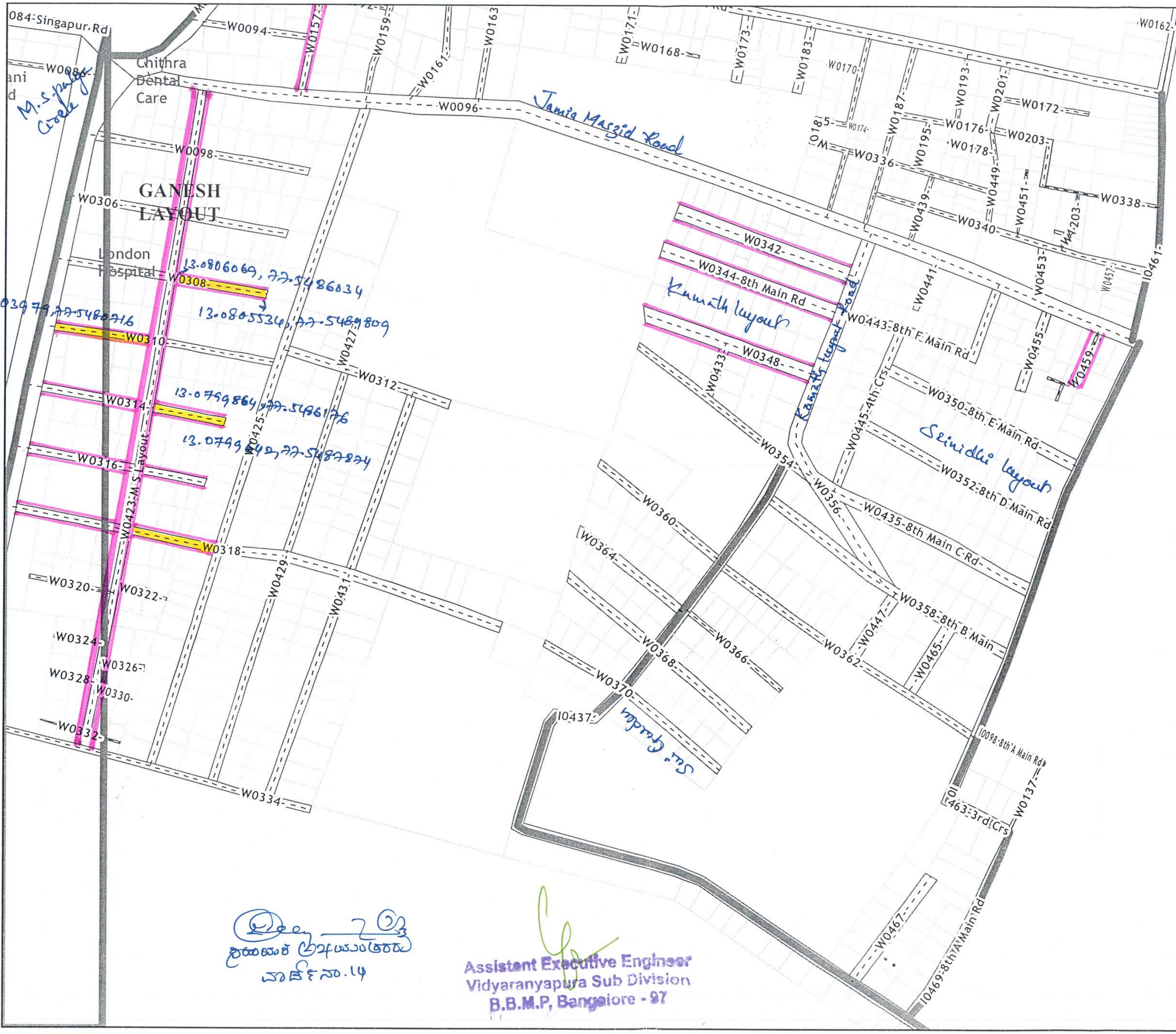
W0439
W0340
W0203
W0098
0306
W0342
W0441
W0453
W0457
0461
W0308
W0344-8th Main Rd
W0443-8th F Main Rd
W0310
W0427
W0348
W0433
W0455
W0459


084-Singapur-Rd
W0084
Chithra Dental Care
GANESH LAYOUT
London Hospital
W0094
W0157
W0159
W0161
W0163
W0171
W0168
W0173
W0183
W0170
W0162
W0096
W0098
W0306
W0308
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W0312
W0314
W0316
W0318
W0320
W0322
W0324
W0326
W0328
W0330
W0332
W0334
W0423-M S Layout
W0425
W0427
W0429
W0431
W0174
W0187
W0193
W0201
W0172
W0176
W0203
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W0451
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W0338
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W0342
W0344-8th Main Rd
W0348
W0433
W0441
W0443-8th F Main Rd
W0453
W0455
W0457
W0459
W0461
W0445-4th Crs
W0350-8th E Main Rd
W0352-8th D Main Rd
W0354
W0356
W0435-8th Main C Rd
W0358-8th B Main
W0360
W0362
W0364
W0366
W0368
W0370
W0447
W0465
I0437
I0098-8th A Main Rd
I0463-3rd Crs
W0137
W0467
I0469-8th A Main Rd
M.S.palya Circle
Jamia Masjid Road
Kamath layout
Kamath layout Road
Srinidhi layout
Sai Garden

13.0806069, 77.5486034

13.0803979, 77.5480716

13.0805534, 77.5489809

13.0799864, 77.5486176

13.0799542, 77.5487824

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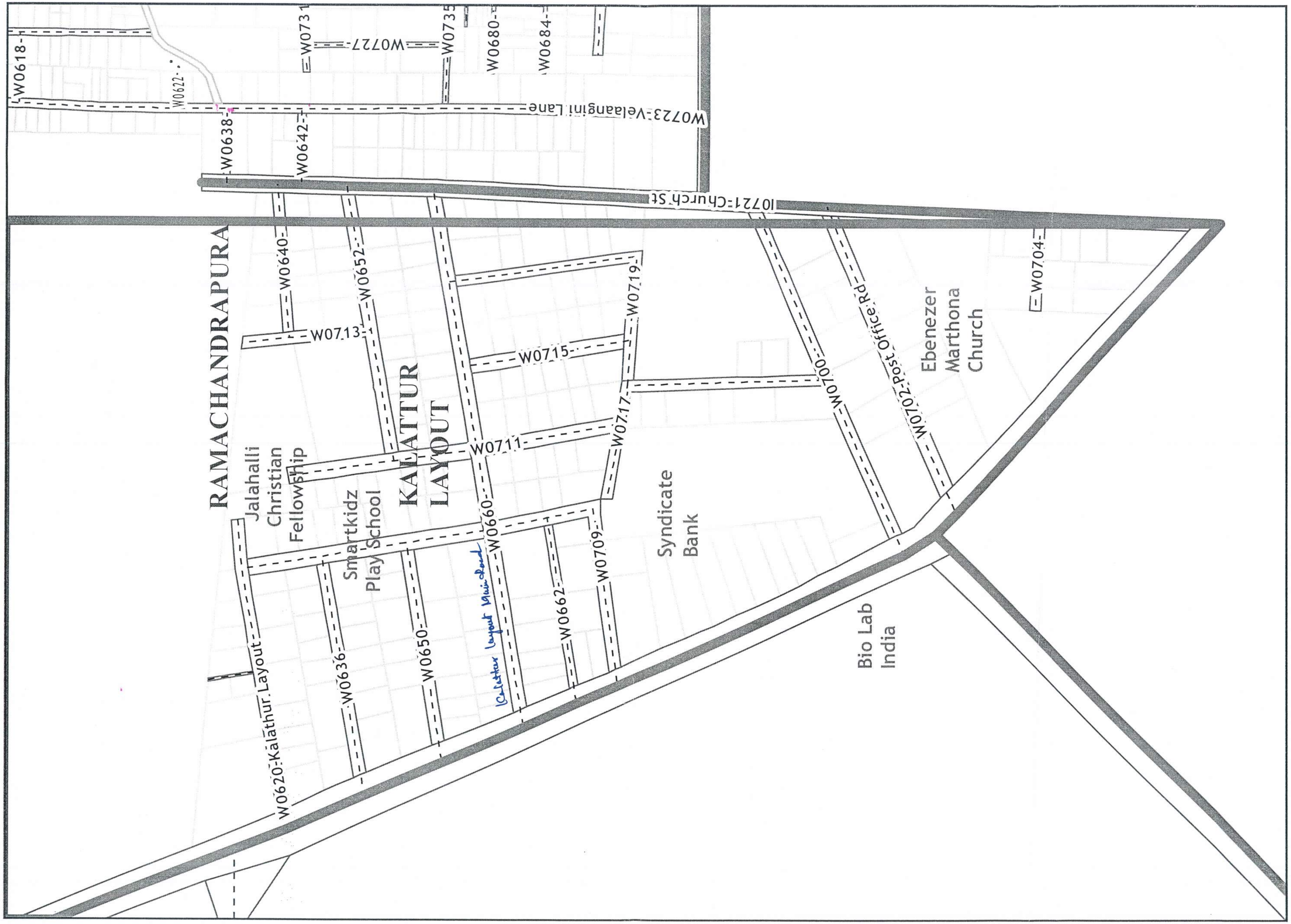
Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97


RAMACHANDRAPURA
KALATTUR LAYOUT
Jalahalli Christian Fellowship
Smartkidz Play School
Syndicate Bank
Bio Lab India
Ebenezer Marthona Church
W0723-Velaangini Lane
I0721-Church St
W0702-Post Office Rd
W0620-Kalathur Layout
Kalathur Layout Main Road
W0618
W0622
W0638
W0642
W0731
W0727
W0735
W0680
W0684
W0640
W0652
W0713
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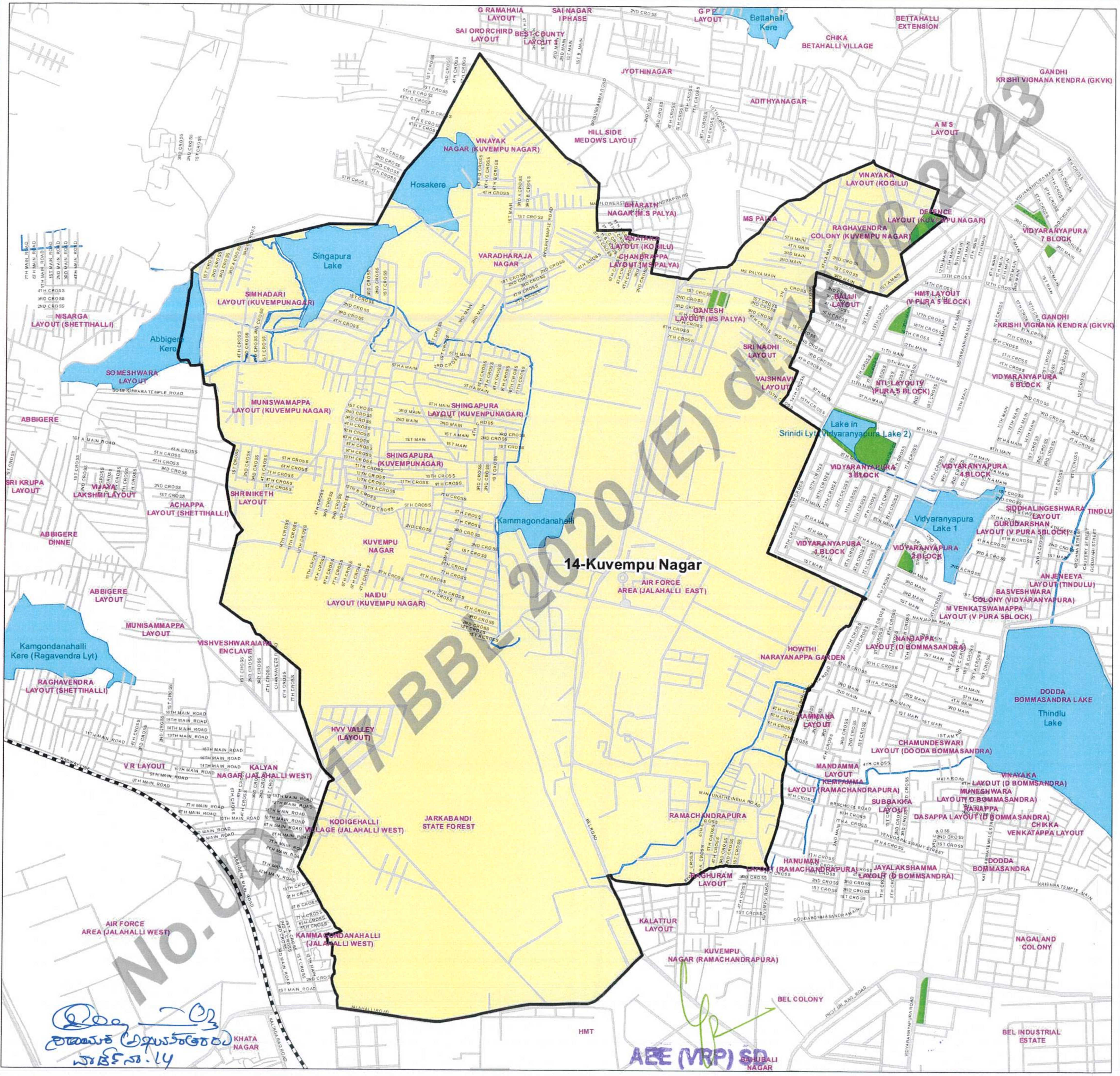
W0636


14-Kuvempu Nagar
Air Force Area (Jalahalli East)
Hosakere
Singapura Lake
Abbigere Kere
Kammagondanahalli
Vinayak Nagar (Kuvempu Nagar)
Varadharaja Nagar
Simhadari Layout (Kuvempunagar)
Muniswamappa Layout (Kuvempu Nagar)
Shingapura Layout (Kuvenpunagar)
Shingapura (Kuvempunagar)
Shriniketh Layout
Kuvempu Nagar
Naidu Layout (Kuvempu Nagar)
HVV Valley (Layout)
Kodigehalli Village (Jalahalli West)
Jarkabandi State Forest
Ramachandrapura
Raghuram Layout
Ganesh Layout (MS Palya)
Sri Nadhi Layout
Vaishnavi Layout
Vinayaka Layout (Kogilu)
Raghavendra Colony (Kuvempu Nagar)
Defence Layout (Kuvempu Nagar)
Bharath Nagar (M.S Palya)
Chandrappa Layout (M.S Palya)
MS Palya
Hill Side Medows Layout
Jyothinagar
Adithyanagar
Bettahalli Kere
Chika Betahalli Village
Bettahalli Extension
G Ramahaia Layout
Sai Nagar I Phase
Sai Ororchird Layout
Best-County Layout 3
G P P Layout
A M S Layout
Gandhi Krishi Vignana Kendra (GKVK)
Vidyaranyapura 7 Block
HMT Layout (V Pura 5 Block)
NTI-Layout (Pura 5 Block)
Vidyaranyapura 6 Block
Lake in Srinidi Lyt (Vidyaranyapura Lake 2)
Vidyaranyapura 3 Block
Vidyaranyapura 4 Block
Vidyaranyapura Lake 1
Vidyaranyapura 1 Block
Vidyaranyapura 2 Block
Siddhalingeshwara Layout
Gurudarshan Layout (V Pura 5Block)
Anjeneeya Layout (Tindulu)
Basveshwara Colony (Vidyaranyapura)
M Venkatswamappa Layout (V Pura 5Block)
Nanjappa Layout (D Bommasandra)
Howthi Narayanappa Garden
Ramanna Layout
Chamundeswari Layout (Dooda Bommasandra)
Mandamma Layout
Kempamma Layout (Ramachandrapura)
Subbanna Layout
Vinayaka Layout (D Bommsandra)
Muneshwara Layout (D Bommasandra)
Ranappa Dasappa Layout (D Bommasandra)
Chikka Venkatappa Layout
Doddabommasandra Lake
Thindlu Lake
Hanuman Layout (Ramachandrapura)
Jayalakshamma Layout (D Bommsandra)
Dodda Bommasandra
Kalattur Layout
Kuvempu Nagar (Ramachandrapura)
Nagaland Colony
Bel Colony
Bel Industrial Estate
HMT
Bahubali Nagar
Khata Nagar
Kammagondanahalli (Jalahalli West)
Air Force Area (Jalahalli West)
Kalyan Nagar (Jalahalli West)
V R Layout
Raghavendra Layout (Shettihalli)
Kamgondanahalli Kere (Ragavendra Lyt)
Munisammappa Layout
Vishveshwaraiah Enclave
Abbigere Layout
Abbigere Dinne
Achappa Layout (Shettihalli)
Vijaya Lakshmi Layout
Sri Krupa Layout
Abbigere
Someshwara Layout
Nisarga Layout (Shettihalli)
Tindlu

N

W E

S

Delimitation of Wards in BBMP - 2023

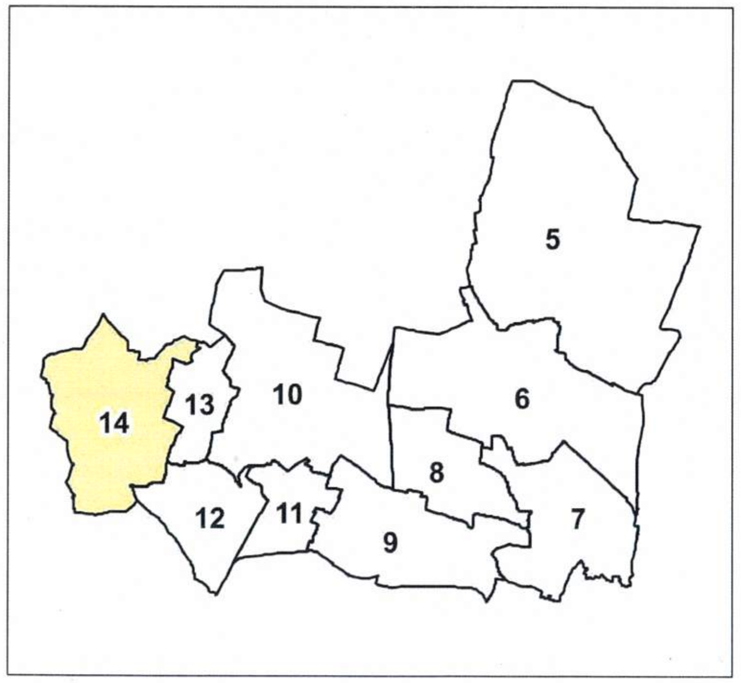
Ward Name

14-Kuvempu Nagar

Legend

- ▭ Delimited Ward Boundary
- 🟨 Delimited Ward Area
- ⬜ Road
- ┅ Railwayline
- 🟩 Park
- 🟦 Tank/ Pond/ Storm Water Drain

152- Byatarayanapura AC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Government of Karnataka Notification
No.UDD 17 BBL 2020 (E) dt.18.08.2023

Delimitation Commission

No. UDD 17 BBL 2020 (E) dt.18.08.2023

ಸಹಾಯಕ (ಅಭಿಯಂತರರು)
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AEE (VRP) SD

P-4
W-4

BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone,

Name of Work:- Detailed Estime for Providing Energy Efficient LED Street Lights and accessories in Byatarayanapura Constituency.

Budget Head :
Ward No.08 Estimate No:- For Rs. **15000000.00**

Sl No	SR Page & SL No	Description Of Work	Unit	qty	Rate	Amount
1	45/11.8.4 CSR 23-24	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ....W System Power consumption. LED Efficiency>1301m/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.**LED Streetlight 90 W**	Each	1025	8860.00	9081500.00
2	56/13.1.2 CSR 23-24	Supplying and Fixing of........mm dia class A GI pipe bracket upto 2 ms long bent at suitable angle and fixing to this bracket street light fitting of all capacities to GI or GI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.Pipe	Each	1025	1045.00	1071125.00
3	56/13.6 CSR 23-24	Fixing charges of post top/ Gate/ Garden fitting /LED on the existing CI/ GI or any other pipe using required size of reducer, wiring using suitable wires.	Each	1025	198.00	202950.00
4	6/2.3.6 CSR 23-24	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694:2010.10 mm^2	Mtrs	3075	167.00	513525.00

5	17/5.15.1 CSR 2023-24	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws,bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB , all Poles should have protection for Short-Cicrcuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism.**THREE Pole 100 A 25 kA**	Each	167	6086.00	1016362.00
6	21/5.44.1 CSR 2023-24	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof,dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cut-out with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.**300 mm x 300 mm x 214 mm**	Each	167	4512.00	753504.00
7	22 /49.01 CSR 23-24	1.1 KV Class HR (Heat Resistant) PVC Insulated & UnSheathed Aluminium Wires Multistrand Single Core Lead wires as per IS-694: 2010 PVC Wire - 16 Sqmm Al Wt: 4.2 Kg, Total Wt: 7.5 Kg/100 Mtr Coil	Coil	20.0	3542.00	70840.00
		Total Rs				12709806.00
		Add GST 18%				2287765.08
		Mislenious				2428.92
		Grand Total Rs				**15000000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on Common S.R.2023-24 Volume - 6.

Junior/Asst Engineer

Asst. Exe.Engineer
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE